

gi:2791272

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1681 tgttggttta aacaaatgat cttgttttat tgtgcttttc tgtgctttta aaacataatt  
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1801 cagcagagtt gattataaat attttctcat atttgcttca cgttcttttc acaaattcaa  
1861 tatattttt aaaaaccagc tcagcaaggt tattgctgct gaggggcagc ttccgttact  
1921 cccactcct tgccactctc ctgtccctct cagaggagct ctactgcac tgggggtttt  
1981 ctttccagtt cattcaacgt acatgtatat atctatgaat agtatgtat tttatgtttg  
2041 tattttaaat ttgcataaac agtaccactt tgtatgtaga tacctagata ttgtcttat  
2101 aattttacat tgttctccag aagagacttt ccatttctc accttttaa ttatacctaa  
2161 tattgttaga atttaaattt ttggccaatt tgatggattt gtttggtgtc tttctggttt  
2221 attgattact aagattgggt ctcatatttc tttaaaacaa acttttactc cattaaactg  
2281 atgatagctg gagatggat tttgctttagc aattctgcac atgtccctgt ttgaggggac  
2341 aagtcagaag cctgcagcat gatgctgtgt ctggagggtg cactgtttct agccttccac  
2401 tagccagag tggtagcagc tgttctttt cagtcttctg tgctggctcc tectcacctc  
2461 cccagcctct cacataggcc ccagggtgt ggctttgat ctcttctctt cctgtctgtg  
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2581 atgccccagt tcattccaca tgtgggtatc attctgactt accccaccag tctctgctgg  
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2701 taagcacact tccccatag tcttcgcca tcttccatc tgcttgcca aaaatcttga  
2761 agtcactcct gatgcccatc tttctcacgt gttgcctcta atctaccagt aaaacctttt  
2821 ggctcttcac ttcaaatgt cttcagaatc catccacttt taatcacctc caacacccca  
2881 cccagccac atcctctcta cttaaattgct tctggaatag ctctgattg gtctctgtgg  
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3001 ttgtgtcatt ctttgctta aaagccccag gggtttctg actcatttgg agcactgggtc  
3061 aggcacccac caggagctct gtcttctctc ttaccatctc cctgaggtct agctcccaaa  
3121 ccttccctcc tcgctgtctc agctgcagcc acacgggtct cctgctctt tcttgaacac  
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FIGURE 1

3241	aggaggattc	cattccaaga	tggccaaata	ggaacagctc	cagtctgcag	ttcccagcgt
3301	gattgacgca	gaagacggat	gatttctgca	tttccaactg	aggtacctgg	ttcatctcat
3361	tgggactggg	tggacagtgg	gtgcagccca	cagagggtga	gccaaagcag	ggcaaggcat
3421	cgcctcacc	aggaagcaca	aggggtcagg	ggatttccct	ttcctagcca	agggagcgtg
3481	tgacagacag	tacctggaaa	aacgggacac	tcctgcccc	atactgcact	tttccaacag
3541	tcttagcaaa	tggcacacca	gaagattata	tcccgcatct	ggcttgggtg	atcccatgcc
3601	cacagagcct	tgctcactgc	tagcacagca	gtctgagatc	tacctgtgag	gcagcagcct
3661	ggcagaggga	gtggcatctg	ccattgtctg	ggcttgagta	ggtaaacaaa	gaggctgggg
3721	aagctcaaac	tgggcagagc	ccaccgcagc	tcagcaaggc	agactgcctc	tgtagtctcc
3781	acctctgggg	gcagggcata	gctgagcaaa	agacagcaga	aacttctgca	ggcttaaaaa
3841	ttcctgtctg	acagctctga	agagagcagt	ggttctccca	gcatggtggt	tgagctcaga
3901	gaaaggacag	actgcctcct	caagtgggtc	cctgaccccc	gtgtagccta	actaggagac
3961	acctccccgt	aggggcccgc	tgacacctca	tacaggcggg	tacccctctg	gggccaagct
4021	tccagaggaa	ggatcaggca	ccaatatattg	ccgttctgca	atatattgctg	ttcttcagcc
4081	tctgctgggt	atacccaggc	atacaggggc	tggagtggac	ctccagcaaa	ctccaacaga
4141	tgtgcagctg	agggacctga	ctgttaggag	gaaaactaac	aaacaaaagg	attagcatca
4201	acatcaacaa	aaagaacata	cacaccaaaa	ccccatttga	tgttgggtgg	ttaccaacat
4261	caaagacc	aggtagataa	aatcacatag	atggggagaa	accagaccag	aacatctgaa
4321	aattctgaaa	accagagacc	ctcttctctt	ccaaaagatc	gcagctcctc	gccagcaatg
4381	gaacaaagct	ggatggagaa	tgactttgat	gagctgacag	aagtaggctt	cagaaggctca
4441	gtaataacaa	acttttccaa	gctaaaggag	gatgtttgaa	cccatgtcaa	ggaagctaaa
4501	aaccttgaaa	aaagcttaga	caaattggcta	actagaataa	acagtgtaga	gaagacctta
4561	aatgacctga	tggagcaaaa	ctgtggcacg	agaactacgt	gacgcataca	caagcttcaa
4621	tagctgattt	gatcaagtgg	aagaaagggt	atcagtgatt	gaagatcaaa	ttaatgaaat
4681	aaagcgagaa	gagaagggtta	gagaaaaaag	agtagaaaga	aacgaacaaa	gcctccaaga
4741	aatatgggac	tatgtgaaaa	aaccaaattct	acatttgatt	ggtgtacctg	aaagtgcagg
4801	ggagaatgga	accaagttgg	aaaacactct	tagggatatt	atccaggaga	acttccccaa
4861	cctagcaagg	caggccaata	ttcaaattta	ggaaatacag	agaacaccac	aaagatactc
4921	cttgagaaga	gcaaccgcaa	gacacataat	tgtcagattc	accaagggtg	aaatgaaggg
4981	aaaaatgtta	aggacagcca	gagagaaaag	tcgggtcacc	cacaaaggga	aacctatcag
5041	acttaacagc	agatctctcg	gcagaaactc	tacaagccag	aagagagtgg	gggctgggtat
5101	tcagcattct	taaagaaaa	aattttcaac	ccagaatttc	atatctagcc	aaactaagcc
5161	tcataagtga	aggagaaaa	aaaatccttt	atagacaagc	aatgctgag	agattttgtc
5221	accaccagac	ctgccttacg	agagttcctg	aaggaagcac	taaacatgga	aaggaacaac
5281	cagtaccagc	tactgcaaaa	acatgccaaa	ttgtaaagac	catcaatgct	tggagaagaa
5341	tgcatcaact	aacgggcaaa	ataaccagct	aacatagtga	cgggatcaaa	ttcacacata
5401	acaatatata	cctttaatgt	aatgggcta	aatgcctcaa	ttaaaagaca	caggcaaatt
5461	ggataaagag	acaagaccca	tcagtgtgct	gtattcagga	gacccatctc	acatgcagtg
5521	acacacatag	actcaaaaata	aagggatgga	agaagatcta	ccaagcaaat	ggaaagcaaa
5581	aaaaaaaaaa	aaaaaaaaaa	aaaaaagcag	gggttgcaat	cctagtctct	gataaaacag
5641	actaaaccag	taaagatcag	aagagacaaa	gaaggccatt	acataatggc	aaagggatca
5701	attcaacaag	aagagctaac	tatcctaatt	atatatgcac	ccaatacag	agcaccagga
5761	ttcataaagc	aagtccttag	agacctacaa	agagacttag	actcccatac	aataataatg
5821	ggagacttta	acacccccact	gtcagtatta	gacagatcaa	caagacagaa	ggttaacaag
5881	gatattctagg	acttgaactc	cgctctgcac	caagcagacc	taagagacat	ctacagaact
5941	ctccaccaca	aatcaagaga	atatacatte	ttctcagcac	cacatcgccc	ttattctaaa
6001	attgaccaca	tagttggaag	taaagcactc	ctcagcaaat	gtaaaagaac	agaaatcaca
6061	acaaactgtc	tctcagacca	cagtgcatac	caattagaac	tcaggattaa	gaaactcact
6121	caaaaccgca	caactacatg	gaaactgaac	aacatgctcc	tgaatggctg	atgggtaagt
6181	aatgaaatga	aggcagaaat	aaagatgttc	tttgaaacca	gtgagaacca	agacacaaca
6241	tatcagaatc	tctgggacat	atttaaagca	gtgtgtagag	ggacatttat	agcactaaat
6301	gccacaaga	gaaagcagga	aagatgtaaa	atcaacacct	agcatcaaaa	ttaaagggaac
6361	tagagaagca	agagcaaaaa	aattcaaaa	ccagcagaag	gcaagaaata	actaatcatc
6421	gagagaagct	gaaggagata	gagacacaaa	aaaacccttg	aaaaaccctg	tgaatccagg
6481	agctgggttt	ttgaaaaagat	caacaaaatt	gatagactgc	tagcaagact	aataaagaag
6541	aaaagagaga	agaatcaaac	agacacaata	aaaaatgata	aaggggctat	caccactgat
6601	cccacagaat	acaaactatc	atcagagaat	actataaaca	cctctatgca	aataaactag

FIGURE 1 (continued)

6661	aaaatctaga	agaaatggat	aaatttcctgg	acacatacac	cctcccaaga	ctaaaccagg
6721	aagaagttca	atctctgaat	agactaataa	caggctctga	aattgaggca	ataattaata
6781	ggctaccaac	caaaaaaagt	ccaggaccag	atggatttac	agctgaattc	taccagaggt
6841	acaaagagga	gctggtacca	ttccttctga	aactattcca	atcaatagaa	aaagagggaa
6901	tcctccctaa	ctcatttcat	gaggccagca	tcatcctgat	accaaagcct	ggcagagaca
6961	taacaaaaaa	aagagaattt	tagaccaata	tccttgatga	acatcgatgt	gaaaatcctc
7021	aataaaatac	tggcaaacca	aaccagcag	cacatctaaa	agtttatcca	ccatgatcaa
7081	gtcggcttca	tccttgggat	gcaaggctgg	ttcaacatat	gcaaatacat	aaacataatc
7141	catcacataa	acagaaccaa	tgacaaaaac	cacatgatta	tctcaataga	tgcagaaaag
7201	gctttcaaca	aaattcaata	gcccttcatg	ctaaaaaatc	tcaataagct	aggtattgat
7261	ggaacgtatc	tcaaaataat	aagagctatt	tatgacaaac	ccacaaccaa	tatcatactg
7321	aatgagcaaa	agctggaagc	agtccctttg	aaaaatggca	caagacaagg	atgccctctc
7381	tcaccactcc	tattcaaaat	agtgttgga	gttctggcca	aggcaatcag	gcaagagaaa
7441	gaaataaagg	gtgttcaatt	aggaaaagaa	gaagtcaaat	tgccctgtt	tgcagatgac
7501	atgattgtat	atttagaaaa	ccccattgtc	tcagcccaaa	atctccttaa	gctgataaac
7561	aacttcagca	aagtctcag	atgcataaac	aatgtgcaaa	aatcacaagc	attcctatac
7621	accaataaca	gacaaacgga	gagccaaatc	atgagtgaac	tcccatcccc	aattgctaaa
7681	aagagaataa	aatatctaag	aatccaactt	acaagggatg	tgaaggacct	cttcaaggag
7741	aactacaaac	cactgctcaa	caaaataaaa	gaggacacaa	acaaatggaa	gaacattcca
7801	tgtcatgga	taggaagaat	caacaacgtg	aaaatggcca	tactgcccac	ggtaatttat
7861	agaccatctc	catcaagcta	ccaatgactt	tcttcacgga	actggaaaaa	aactacttta
7921	aagttcatat	ggaacccaaa	aacagcccac	gttgccaaga	caatcctaag	caaaaggaac
7981	aaagctggag	gcatcatgct	atctgacttc	aaactatacg	acaaggctac	agtaacccaa
8041	cagcatggta	ctggtacca	aacagatata	tagaccaatg	gaacagaaca	gaggcctcag
8101	aaataacacc	acacatctac	aaccagctga	tctttgacaa	atctaacaaa	aacaagaaaa
8161	ggggaaagga	ttccctattt	aataaacagt	gctgggaaaa	ctggctagcc	atatgtagaa
8221	agctgaaact	ggatcccttc	cttacacctt	atacaaaaat	tgattcaaga	tgggttaag
8281	acttaaatgt	tagaccataa	accataaaaa	ccctagaaga	aaacctaggc	aataccattc
8341	agaacataga	catgggcaag	gacttcatgt	ctaaaaacacc	aaaagcaatg	gcaacagaag
8401	acaaaataga	caaatgggat	ctaattaaac	taaagagctt	ctgcacgaaa	ctaccatcag
8461	agtgaacagg	caacctatgg	aatgggagaa	aatttttgca	atctactcat	ctgacaaagg
8521	gctaatatcc	agaatctaca	aataactcaa	acaagtttac	aagaaaaaaa	acaaccccat
8581	ccaaaagtgg	gcaaaggata	tgaacagaca	cttctcaaaa	gaagacattt	atgcagccaa
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8701	agtgaatac	catctcacac	cagttagaat	ggcgatcatt	aaaaagttgg	aagcaacaga
8761	tgatggagag	gatgtgggga	aatcggaacg	cttttacact	attggtggga	gtgtaaacta
8821	gttcaaccat	tgtggaagac	agtgtggcaa	ttcctcaagg	atctagaact	agaaatacca
8881	tttgatccag	ccatcccatt	actgggtata	tacccaaagg	attataaatc	atgctactat
8941	aaagacacat	gcacacgtat	gtttattgcg	gcactattaa	caatagcaaa	gacttggaa
9001	caaccagat	gtccatcaat	tatagactgg	attaagaaaa	tgtggcacat	atttaccatg
9061	gaatactctg	cagccataaa	aaaggatgag	ttcatgtcct	ttgcagactt	ggatgcagct
9121	ggaaatcatc	attctgagta	aactgtcaca	aggacagaaa	accaaacacc	gcatgttctc
9181	actcacagat	gggaattgaa	caatgagaac	acttgaacac	agggagggga	acatcacacc
9241	ctggggcctg	tcatgggggtg	ggggcctggg	ggagggatag	cattaggaga	tataccta
9301	gtaaatgact	agtttatggg	tgcagcaaac	caacatggca	catgtatacc	ctatgtaaca
9361	aacctgcacg	ttgtgcatat	gtaccctaga	acttaaagta	taaaaaaaaa	aaaaaaaaag
9421	aacgccctct	accagatact	gtgagactta	cgccaccctg	ccttcagctc	tctagcagat
9481	gtcgtttgat	cagtggggcc	ttcctgaata	taaatatatg	taatataaat	atatataaaa
9541	acaaaaggca	cctcacccctc	ttactgctag	catcacttac	gccctttatt	ctgttttctt
9601	tttcttcata	gcacttaacc	accaccagac	acttgtgtgc	gtgtttatta	tctatttctt
9661	ccaactagaa	aataaattat	ataagggcaa	agatgatgtt	ttgcttgctg	ctgtatcttc
9721	agtcctctag	gattgtgcct	ggcaaatagt	aggtaataaa	cagttgttta	ttgaattact
9781	agaaaaaaat	ctctaaaatc	tgtagtctcg	cagcatgtga	agaaggaata	ttagactctg
9841	cctgcctttc	tgaaagtgc	atatacttaa	gtgatgctaa	taggatattg	aagaacatgc
9901	ttcatatggt	tgagccttga	tgatctctga	caggagaaat	ggggtaaaac	tttttttaaa
9961	aaggacagta	taatctgttc	ttggcagcag	ctttctataa	tctaggaaat	aattcaatat
10021	tattaatttt	cgaattagat	atagtcggcc	gggtgcagtg	gctcacacct	gtaatcccag

FIGURE 1 (continued)

10081	cactttggga	ggccaaagca	ggcggatcat	ctgaggtcgg	gagttcaaga	ccagcctgac
10141	taacatggag	aaatcctgtc	tcaactaaaa	atataaaaaat	tagccaggca	tgatggcgca
10201	tgctgtaat	cccagctgtt	tgggaggctg	aggcaagaga	attgcttgaa	cctaggaggc
10261	ggagattgcg	gtgagccgag	atggtgccat	tgcactccag	cccgggcaac	aagagctaaa
10321	ctccatctca	aaaaaataat	aataatagta	attagatata	atcgtttttc	attaaattcc
10381	ttactaaaa	tcaaatggta	actgtgctac	ttgatacctt	tacttataaa	tagtgtttat
10441	gttatatggc	caaggtcagt	ataggtattg	ttaatgtgat	aatggcattt	gtttattaat
10501	ttgttattta	ttggttattg	gagcagatta	ctagaaggta	attcaagttt	tttgactatt
10561	ctgtgttctc	atcctcagta	atgatcattc	caggttgata	aagatctgtt	ctgtttttta
10621	atagctccag	aggagaaaag	tttattctct	ttttgaatga	tttttttttt	ttatgtatca
10681	cttcggcacc	tattcaatgt	gtgcacaatt	actatcgccc	aggagctcct	ggctgattac
10741	tatgatgtgg	catgagccca	aatttgcaa	ggttcacttc	ccaaggctgg	aatcagggaa
10801	agaccggtga	tggccaaagt	ggtcccagaa	ggaagggaag	gaatttattt	atccctacac
10861	tgctgcattt	ggaaggctgt	tggtgaggag	ggaagggaag	ggcaaacatt	ctagaccaag
10921	gagttgcttg	accgaagaca	cacaggttgg	ggaagaggaa	tagggtataa	gagtgatgaat
10981	gggacagaaa	aacaagagag	ttccacaggg	cccaaggctg	ggaagcaggc	tgggggacag
11041	gtaatatgatg	ctgtgcaggg	gagtttcagc	atgagaactg	ccatttcagg	tttaaactct
11101	attcactggg	cttgatataca	atgaacaccc	ctgtcatgtc	agtttatacc	catttcttca
11161	tgttctgaca	cttgaaaact	attatTTTTT	agataggatt	cttgagtatt	ttatTTTTT
11221	taaatagtga	cacatacagt	gtttctttga	ttacaaaagt	ctgaaccgaa	gttgtttaaa
11281	gctattgccc	ctttaggacc	acatatatct	gactttttatc	ctgggttatg	ttctcaaagt
11341	ttctggagac	aaaagattat	agggctttta	atctgtgacc	cttgaatttt	cattgttgag
11401	gtttgttggt	tgtttgtttg	ttttttgctg	ttgctgctgt	tttattttgt	agtgggaatt
11461	tagacagtaa	tgacagaaaag	aagcatgttt	cattaagtgg	atgatcccat	tcagcaacaa
11521	taataactaat	actcccacag	agccaaagcc	ttttttctgg	gtggatgagt	gttttataaa
11581	agaagtacct	caggacttca	gcctctctca	ttctccacca	gatggagttt	aacagtttg
11641	atggaaagtc	tgaaatgatt	ttcccttggt	atatcccgtt	ttttatgtct	atgtataaat
11701	gtataatgac	taatttggaa	atagcgtat	caatttatta	aactaggaag	cattatttcc
11761	cctggaatta	gtttctgctc	tggcccagga	tcactgtggt	gtagaacttt	caccacagaa
11821	tagcctctgg	taaaagatga	ggcctgtact	tgctctactt	taacgcttct	gtatatgttt
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12001	acatacagta	ggagtagaag	aagtggctga	cttaaaacat	gatgaaggag	aataaaatgt
12061	ttctgggtgct	acagtttcaa	gttttgaagt	ggacagccca	gcagaacaaa	gctaggggaga
12121	cctgggggct	ggtcactgtc	gagtgagctc	atgtgcctgg	ttccccctg	catcctcttc
12181	acaccccgat	gcgtctccac	ctccctcatc	ataggggata	cctgcccttc	ttggggagca
12241	ggctcttg	agcagctctt	ttgagaagt	agccactatg	taaagcctct	gccattcttg
12301	agagtcctgc	ctgacagtgt	attctccatt	ttcttagccc	agtcagttag	gataagtga
12361	aacattgtat	cgtgtaaagt	gggatatttt	aacacacaaa	cttgctgtct	tttctttta
12421	atggtgaaca	accttttggt	gtatcatggg	gtcttgatat	catctctcat	cttcttaatc
12481	taacataatt	cgaatattag	tcattgttaca	caaacagact	gctagaaacc	acaccgggat
12541	ttcatttgct	gtgtgtcaac	agtagaaaat	caggacaatc	ctctggtttt	gccagcagta
12601	agtttccaca	acagttatca	aagtcagcct	cttttatttc	aaacagtgat	tttggtggct
12661	tttcagacac	ctttcattat	gtcttcacac	ctgcagttat	cgaaggatgt	ctggtctagc
12721	tatatgaaaa	ctgaaaatcc	aaaataaccc	aggaaactct	tttatttcct	gggttctccc
12781	aaacacagtc	gaagtatgtc	gtttcatcat	gctaacagat	tatagatgac	tattagataa
12841	tatagtgtcg	aaagaaaaat	gtcccatatc	aggagccacg	tgtcttttca	ggaaccagta
12901	ctatgaaaca	tcaagtcttg	atcagtatga	aaattgtctt	ctctgttttg	gtaggtacac
12961	ttcctgtttc	ctaacaacag	ggtggtagt	acatcagtag	tggggctcctg	ccgcatgtga
13021	agagggaata	ttagactcag	catgcttttc	tgaaagtgat	gtataactga	tactaatagg
13081	atattttaaga	acatgcctta	tatgtttgag	tcttgatgat	ctctgacatg	gaaaatggg
13141	taaacctttt	tttaaaaagg	acaaaatttg	ggagacctga	ttgtaaatct	aaaaagtcac
13201	aacccttgcc	agagtttgca	gaacagttagc	cagaaacctta	aggattgtgt	tttaggttt
13261	ataggacaca	tttgggggct	tatgtcattta	actgatcttt	tctgttagcat	aaacataatc
13321	atcaccagga	aacgtctctg	agctttcatt	cattaaacaa	aatgtactaa	acacttaaga
13381	ggcagtcagt	gttactacaa	agcaccctcag	tatagtactt	atTTTTTaaa	catcattacc
13441	acttggtaat	atctccgtca	gctcatagcg	ttctggaaaa	agcccaggtc	ttatgctgtg

FIGURE 1 (continued)

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13501 tttgtgctga gttgctccct tacatgtgca ttgttttgtt ttctactaaa ggtttttctcc
13561 atatttcttt ctaattaatg tcagtgtttt ccaagcatta tcttcagtct tttcctttta
13621 aggatcctag acctgttctc tactctgccca accacacccat acccaggtta tcattcacca
13681 tcatattgtg cctgggtccct gggttgataaa gagtggtcat taaaggggta tgtgaaaatg
13741 atgtgatgaa aggccacaga ccccttctga attctttacc acccttagca acagcaggct
13801 ggcgggtacc tgtcttatct tttagcagat ggaattcatg ttctaattct caatggaata
13861 aattagggga tgttgggaaa cgtttgcgtt taatgaagca ggaggaatta tacattttta
13921 taagccagcc attaaaatgt ggacattcgg catttaaaag aagtttctat ttagtttaaa
13981 actagcaact tgagctgcaa tgataagaaa tgctcatggg aagcctaate cctctgctcc
14041 actgcacatt cccttgtttt cttgccataa aacatgatat agcctcggga attttgttct
14101 cctgttcttg gggattagtg gactacattt tagttttcac cttttgtgtc aaaattcaag
14161 ccgccagcaa tttgtttttc atcctttgat ccgaagaatg ttttcgtcaa caaatgctgg
14221 acttcagtgc acggaatggt aatgtgtacc ctcagccgcc agctaggaga accgtttaat
14281 atgacgaagt gcagtgagaa gcattattct tgttggagtt taagtactta cagtaaagat
14341 gatgtttgat cacaggtttt aaaacctata tcacatttac tcttaaaaaa aatttaggtg
14401 cattttttaa aattactagc aaagcttttt ttccaaatga aacctgtaga atatattatc
14461 atcgggattt ttatagaaca cattattact ctttttaaga aacacttcca tgtgtagaat
14521 atgaaacccat aataggcttt aggtattata cttaaagcag tgctaataat attttgaatg
14581 acacgcacgt gacacagtat tttggttttac ttccataaagt taaacattaa actctgcccc
14641 attatgtttt taatgatgat tttatcttta aaatatatat atataattgt attcacattc
14701 tttaaaaaaa ttttttccct aggttgccat tgtttatctg gctttcagag caatatttct
14761 aaacatatgt gaaaaacaaa aacaggcaaa cttcaacaac aaaagaaggt tgctactgag
14821 tgtacgtggg ccagggttgct accctcggga gcccttctc tcagggagcc cctcctgctg
14881 cttttgcgac tccgactctt ccagcagggtg tcactgtctg gcagcagtg gcgagcaggt
14941 tgcggttcac ctgactcatc ttcaaataat aactttttaa atttatcttt aggggaagttg
15001 tttgacgtaa atgtatcaaa actttgacaa aaatgttgct acatcatatg cctgattttt
15061 ccctcatgaa ttgaaattca cagaaaataa aggaattaat cttgtgctga tataaaattt
15121 tattgagtat tagaaacatt tgtttataat gagaggggaa tgtggctggg aggacataat
15181 taaatgaaac ttttaggacc atttatttat gaatttgcta agcaaatata gattccttag
15241 gtctgttcta gagtctctga tggctgcaaa ggggtaagcc acagtgtcta cctcctgaa
15301 gtattagtgt gtattataca caccaagaaa ggaacaattg taatagaaaa ggagaaaagtc
15361 agtgtatctt attggcataa tgacagggtc cctaagttca tagaaacctg tttttgaatc
15421 ctggctttga tgcattctaa tcatatacag tacaagcgtc ttaacttctt tgtggacgat
15481 ggggtgtggt tcaactctgt catgggtggg aattagggtt aaacctggag ggtgatgtgg
15541 catagatgtt ggcaaacttt ttaatgtcaa gggctggata gtaaatattt taggctttgc
15601 aagccaccta ttctctgtca tgaatactaa actgtgactg tagcacaaaa gcagccacag
15661 acagtatata aagaaatgag cctggctgtg ttccaataaa actttatcca caagaaccag
15721 tggagagcca catgcagctg gtgaccatag tttgccaatc cctgatataa ccattactca
15781 cctgtaatcc caacactttg ggaggccgag gcgggtggat cacctgaggt caggagttcg
15841 agaccagcct ggacaacatg gtgaaacccc atctctacta aaaattcaaa atattgcag
15901 gcatggtggc gggcacctgt aatcccagct actcgggagg ctgaagcagg agaatcgctt
15961 gaacctggga ggcagaggtt gcagtgaagg aggtattatg cactgcactc cagcctgggt
16021 gacggagcaa gactccaaga cttcatctca aaaaaacaaa aaaagacaac aacaaaaaaa
16081 ccagttactc aacatagtat catagtgttt acattaagta acatgcagta gcaaagtaag
16141 cagtatcaca gagtcatata tgacaagtgt tttgagtcca taacaagtc tctgttctgt
16201 cctcgcagac ttgttgatcc caggcaaggc acttttcctt tctgggtctt ttatcagtac
16261 gacttttgat tcagcagcag tagtcttgtt tagggggcag gggcagaggt taagggggac
16321 aggggaagtat ataaaggact tttattctta tgaatccaaa cagagggcag agttgtctgt
16381 gctttgtttt ggtgccatgg atgttttaaaa ggataccatt gtcttctgtt catttaagct
16441 acccatttta tcttttctct gttaccacaga atatcagtc tgtttaacaa atatgtaatg
16501 attcaaaatt catttgcagg tttttaaact ttgacagtgg tctcctctag cagagatttc
16561 agatactatg tattcagaga cagaaacatc attctgtgct tatctcagtg aaagaaaccc
16621 aggaaaggaa tcccagcccc tcctacatcc tctccaagct acaggcatg ggtcatcca
16681 ggaggggaga agggagcaga gaagccacc tgggtgtctt ctacccata ctgctaattc
16741 tgacctgacc tgaaatttaa tataatcaag gcaaaatcag attaaaatgg agccaaatag
16801 ttttacactt caaatagttt ttacgtacat aaaaaatata tgggtgttct tttaaattat
16861 tcatattatt tgcatatgct aaaaaagaaa tcagcatgct tcttgaaatg tcttaacaat

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FIGURE 1 (continued)

16921	ttaaaaatatt	tataatataa	ctgattcctta	aactttttata	taatgcagta	tatttgaaat
16981	tttaaaagtt	caattatttta	cattctcctt	gggaactaca	ttttatatat	tctgttactt
17041	gtaatcaaat	aattatatga	cattcttaat	gtctgtacct	acaaacattg	aattcatgca
17101	tattttataag	gtagcttatt	gactataatt	cattgttgac	ctttctgatg	attctgtagt
17161	tagatttttta	aaatatgatt	gaatgtggaa	tatctaggca	tagactaaca	tgggtttgaa
17221	tcttagctgt	gacattttatg	agctgtgggc	tcaacacttt	aaaagtaatt	aactgcattt
17281	ttcatctttt	aaatcattct	ctgagaaaaa	gtcaactcct	taattagtcc	ttgtttgaat
17341	tatgatcaaa	tagtattggt	ttgtacagaa	tgatgctaac	ttaggatcca	ggctatagat
17401	ggctgcaacc	ggaatagagc	catttagtca	tcatatgtac	aatagagtaa	gaaatgcaaa
17461	aaaaaaaaaa	aaaaaaaaat	agatacaaga	taagagcact	tttaggttct	aagaatttaa
17521	aatgtgtatc	taggttagag	tgaattgggg	tgaattttcc	tgtgcttcca	agttaaccag
17581	tagaagtgtt	gaaattgatt	tcaagaattg	atagtgtcct	attaaacaat	cagaagacag
17641	aaggtactag	tgagaagtct	tgatttgact	atggggctaa	tagggagggtg	cttgtttgtc
17701	aagcttatgt	gagagaatag	ctgtatcagt	agagtaaaag	accctagagc	gggctgggtg
17761	cagtggctca	cgctgtaat	cccagcactt	tgggaggcca	aggcaggtag	atcacttgag
17821	gtcagggtgt	caagaccgcg	ctgaccaaca	tggtgaaacc	ccgtctctac	taaaagtgca
17881	aaaattagcc	aggcatgggtg	gcgcatgcct	gtgatcccag	ctactcagga	ggctgaggca
17941	agagaatcag	ttgaagctgg	gaggcggagg	ttgcagtgtg	catgtgtatt	ccatatatac
18001	aagtgaagat	atgaatccat	actgataact	tccagtcacg	caccactgaa	tttattctag
18061	tcgtctccat	ttccttctct	tcttcacca	cagtggagaa	cctgggtcgc	acctacagta
18121	tgtttacata	tttgctcagt	tctagtatat	aaataaacta	gtttcagaaa	tccttacctt
18181	tactcctgta	agaaacagat	ttaaaattac	gtgcagcgtg	tgccattctt	gtctctagcc
18241	ttcacagtct	ccagtcaaaa	ccctctttgc	caaggttatc	taggacagga	ccttactttc
18301	catgccctta	gcgtggctgt	gccatccatg	cagctgcagt	cagagccgtc	tgtctcagct
18361	tgcatctctc	ttaggttcac	ctcacatcct	agttgattcc	gtttttattt	acttacaata
18421	gaatttactt	tatggtgtat	agtacgtggt	ttctgacaaa	tgcatagaat	tgtatgttca
18481	tcacatggac	acaaggaggg	gaacatcaca	caccagggtc	tgttgggggt	gggggacaag
18541	gggaggggaga	gcatttaggac	aaatacctaa	tgcatacggg	gcttgaaacc	tagaagacgg
18601	gttgatgggt	gcagcaaaacc	tccttggcac	atgtatacct	ccatggcaca	tgtatgtaac
18661	aaacctgcac	atttgccaca	tgtatccctg	aacttaaagt	ataataaatt	ttttaaaaaat
18721	tgtgtgttta	tcccaccttt	cttttcta	gttggtaatt	tgtatcttct	ctctctcttt
18781	cttggctagt	gttaccagag	aatttttcta	agaaccagc	ttttgggttc	cttgcctttc
18841	tctatttttc	ttttttcaat	gtcatcattt	ctgttcttat	tttgattatt	ttttccctct
18901	ccttgctttg	agtttagttt	gatcttcttt	ttctgatttc	ttaaactgaa	aatttagatt
18961	tatccgagaa	ccttcttttc	taatgaaagt	tttgaatacg	ataaatttcc	cactgaccac
19021	tgcattagtt	acatcccaca	aaattcgaat	gttgtgtttt	aattttcatc	cagttgaaaa
19081	tatttgacat	gtttttgagac	ttcctcatta	acccaatgaa	tatttagaga	tgtgttcttt
19141	tttttcttca	acttctaagt	tcagggggtac	atgtgcaggg	tgtgcagggt	tgtgcacag
19201	gtaaacgtgt	gccatgggtg	cttgctgcac	aaaccatctc	atcatctcag	tattaagccc
19261	agcatttctt	cctgatgttc	ttccccaca	ccctatcac	cccccaacag	acaggcccca
19321	gtgagtattg	ttccccccaa	tgtgtcctcg	tgttttcgtc	attcagctcc	cacttataag
19381	tgaaaacatg	cggatatttg	ttttctcttc	ctgcattagt	ttgctgagga	ttatggcttc
19441	caaatccatc	tatgtccctg	caaaggacat	gatctcattc	tttttgatga	ctgcagagta
19501	ttctatgggtg	tacatgcacc	acgttttcct	tatccagtct	atcattgatg	ggcattcagg
19561	ttgattccat	gtccttgcta	ttacgaatga	acatatgcat	gcatgttatc	tttatagtaa
19621	aatgatttct	gttccttttg	gtatataccc	agtaatgtga	ttgctgggtc	agatgggtatt
19681	tctgcagagg	tctaggtcct	tgaggaaatca	ccacactgtc	ttccacaatg	gttgagctaa
19741	tttactactcc	cactagcagt	gtcaaagcat	tcctttttct	ctgcaacctc	tcagcatct
19801	gttatttttt	aactttttta	taatagccgt	tctgactggc	ctgagatggg	atctcattgt
19861	ggtttttgatt	tgcatttctc	taatgatcag	tgggtgttgag	cttttcttca	tgttgttggc
19921	tgcatgtatg	tgcttctttg	agaagtgcct	attcatgtcc	tttgctgct	ttttaatcgg
19981	gttacttttt	ttcttataaa	tttgtttaag	ttcctttag	actctggaca	ttagaccttt
20041	gtcagatgga	tagattgtga	aaattttctc	ccattctgta	ggttgtgtgt	tcactctgat
20101	gatagttcct	tttgttgtgc	agaagctctg	cagtttaatt	agaccccat	tgtcaatttt
20161	tccttttggt	gttttcgtca	taaaatcttt	gcccgtagct	gtatcctgaa	tgatattgcc
20221	tagattttct	tctagggttt	tcatagtttt	tcatttttaca	tttaagtctt	taatccatct
20281	tgagtttaatt	tttatatata	ttgtaaagaa	ggggtccagt	ttcagttttc	tgcatatggc

FIGURE 1 (continued)

20341	tagccagttt	tcccagcatc	gtttattaaa	tagggactct	ttccccccat	cacttctttt
20401	tgtttgttga	agatcagatg	gttgctgggtg	tgcagtcctta	tttctgagtt	ctctattttg
20461	ttccgttgat	ctatgtgtct	gttcttgtac	cagtatcatg	catgtgttct	tttaattctgc
20521	aataatttga	tggtttttca	gatatacctcc	aattaattga	tttctggttt	aattctgttt
20581	tcatgtaaaa	acacactctg	tatggtttct	actgatttta	aatagttgag	gtttattttg
20641	tagctcagaa	tatgggtatgt	actgggtgaat	gttccacata	cccttatata	aaaagtatgt
20701	tctgctgttg	agtggaaacat	ttctataaat	gtctattagg	tcttgatagt	gttttgcggtg
20761	tcttttatgt	tcttcctgat	tttctattta	tgtgtcccat	taattaccga	gagtggatta
20821	ttgaagtctt	cagctctgat	tatggattta	tttttttcag	tttccgctcc	tttatttcga
20881	agctctattg	cgtacacact	taggattgtt	atgttcatgg	gatgacctat	atcattatgt
20941	aatgctcctg	tttatccttc	ataatattct	ttgctctgaa	gtccacttcg	tctgatatta
21001	gtatagtttc	tgcagctgta	ttttagttat	tgattttatgg	tatatctttc	cccaaacttt
21061	tattttcagc	ctacttatgt	ctttatatca	atatttaaaa	tgcgtttctt	atatacagta
21121	tatacatggg	acttgcattt	tattcagtc	tagtcatttc	tgtcttttaa	tttatgtgtt
21181	agaccacccc	ttttaatgtt	attatttgtg	taattggatt	aaaatgtacc	atattggcaa
21241	ccgttttctg	tttgtttcat	ttttgggtt	cagttttctt	ttgatgcctt	ctctagtatt
21301	aactgagtgt	tttttatgat	tctgttctat	ttcctctact	gacttattat	ttatactttt
21361	aaaaaattgt	atttctctac	cttcagataa	tattacattg	ctttacatgg	agcctataga
21421	ctttactgca	gtttatacac	agctccttct	ttccgtgctt	tatgctattg	tggccatacc
21481	tttttacatt	tacatctact	gtgaacgcac	agtacattgt	tttacacatt	caggtatctt
21541	ttagagcaat	taaaaaataa	gaaaaaaaat	tgtgtcccca	tttattctat	tttactgct
21601	ctttgtttgt	ttgtgtagat	ccgggcctcc	atctgatgtt	gtgttccttc	tgcctgagga
21661	acttccgttt	aacatttatt	gtccactagg	tcaagcagct	ggcaatgaat	cccctcagtt
21721	tttgtttttc	taagaaagtc	tgtatttctc	tttcatcttt	gaaaattatt	ttcaatgggc
21781	atagaattct	ggatttaaca	gttttcttga	tattgttacc	atatttttta	tttgcaccat
21841	tttcattgga	ttctttttta	tagttgtcag	cactcagctg	aaagtcccat	ctgttattgt
21901	ctacctttcc	cttttagagcc	ttcaaaaata	gaaccatagt	tatttttaaat	tctcagtcac
21961	ttctaacata	ggtgtcatat	ctgactgtgg	ttctgattat	tgtcttgtct	ctctgaagta
22021	tgtttttttc	ttgccttctt	gtatgccttg	taattttgtg	ttgaaagctg	tacatcttgt
22081	gtaagacagt	agagacccat	ggaaattgtt	tgtatcctag	aaatgtgcat	gcctctcctt
22141	cctagaggcc	tttagtgtgg	gagttagagt	ttatctagtt	aggagtttgc	taggtttgag
22201	agatttgttg	gcagctatcc	tcactgcagg	aaaggcttca	tgttccctgta	gagatacctt
22261	gtgttttggc	tgggggttgg	atcacaagaa	catcacctgt	tcagttctag	ttttagggtct
22321	tccttttgca	ctatgcctca	gaaagggctc	ctctgcacat	tcttgtttctc	ctgtttctct
22381	ccaagcactg	ttttgttacc	tgtaatgcta	agctccttag	cttgacattg	tggggcaagg
22441	aggaggatgg	ggtgctgtct	ctgttccgat	tgagttacag	tctcgtacct	gcaccatttt
22501	cttaggtttc	tgggctgtga	ccttctcagt	tctcctccct	ctccccaaag	tgttgtggga
22561	gtttctgtgt	aatcctgtcc	ctccccaaag	agacaggttg	tatgtgtatg	tttttctctg
22621	tccctttcca	cactgcagtg	agttttcagc	agtgtcctaa	ggacaacagt	gcgtgccgcc
22681	cttctcctca	caggataggt	cttttgtttt	cctgggtggag	acaggggaga	tggatccagg
22741	tgtagttcct	tgccactcct	ctagagttac	tgttctctctc	ccccatatct	ggaacacagc
22801	ggacacttct	tacccacccc	tcctgtgagc	acctgggtga	tggatcatggc	atagatcctg
22861	tgtgagaatg	taaccctcag	aggtttcaca	caatcttggc	agccactctt	tgactctaac
22921	cagatacttg	agcgggactc	ccctgactgg	ggttctgttg	tgtctgccct	cggtgacaca
22981	agcttgtgtc	tccttagatt	ttgggctgtt	gattatctgg	gacctcggct	tattgatggg
23041	tttggaaaaa	gttaataagt	ttaaagttag	gctgtacgtg	tgtgtgtgtg	tgtgcgcgcg
23101	cgcgtgcacg	tgcacgcttg	tgtgtgtgtt	taacgtaaac	agggtcccatc	cttgttagac
23161	tttacagcaa	gagcagcctt	gaatgaaatc	atcctttctc	tccagtaact	tattctccca
23221	gtcattcagt	tctcttttagt	ctttttacaa	attttacttc	tttaaagaag	atgcgtctcc
23281	aaaaaaaaaa	aatacctaata	ttgtactatga	tgtggcaaat	tcaagtcaaa	ttgaggatga
23341	ctcgaatttt	acaatgccaa	acaatcctga	tggccaactg	tcttattctt	ccccagggcc
23401	ttctcctcag	ccagggcgga	ggctcgttgt	gggcagggtc	cttgtctttt	ataatcctcg
23461	cagagttgcc	aaacctataa	aaaattttta	aaataggcaa	ggtagagaag	tagctgaggt
23521	gcaggagtct	gggtattttac	ccagaaatca	cacattctgt	ctccagcata	ggcccctaga
23581	gccagtcaat	actttgggtat	tattttattt	cattacttat	tttacagcat	aatagtagaa
23641	ccctaaaagc	aaaagcctta	tgaatcaca	tgctaacaga	acctaaatgc	atgtttcatc
23701	ttagagtttt	ttaattataa	aagtagcaca	cgtttgtgat	aaataatgta	aaatgtcaag

FIGURE 1 (continued)

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23761 ttcttttcat cccctagaaa taatcacccct ccaatctttt ctatgggtct tctaaggctt
23821 ttctctaaac tcatttttgt catatacaaa gaaaaagtaa aaaattaata tctaggccat
23881 ttgggaaagg cagcctattg ctgtgtgctc tgtttacatg tttgtctctt ttcaaaaaaa
23941 tacctgtaag tgcagaatgt atcacagcta aactgtacat tgtctaattg catctttatt
24001 atatctcagt gacattcctc ccccataact aaattttatt aagctttcag tgggaaagag
24061 cctctaattt gcaagatttt gaaaatgtga agagttaaag agttccacat gagcttatga
24121 gatttttgaa actatttcct ggatcatctt gaagattcct tgttaaactc agtttcacat
24181 gatgttaaga ggctgatact aacgactttt agataatatc cccctttcta tgaggaatgg
24241 gttgaatcat atcacagaag aaattgacag gaaattgtag catctctctg agtaaataag
24301 aaggcttaca cattaggtga atatgacgac acggaggacc attgaaacat gcctgtgtca
24361 accaaaaagaa gaagctaaag cacaaagtgt ggttgaaaga gttgacttga gccagaataa
24421 ggacagctgc ccagatgact caccctaaact gcttgcttgg cctttgttac aggcagattt
24481 ttaaaggcaa aaagaaaaaa acaaaaaacaa aaaaacagga ggcaggggag gggggccggg
24541 gttaccgagt agactgttag acagttctgt caggaattct catggatata cagaagaac
24601 agtgattagt gactgcctgt ccacggttaa gctatagaat gtgggatata gtgtccagt
24661 ccacattact aggttaattc acagctacct gtggcaatgg gaagcagctt cagtaaagt
24721 tggagtagga tgtgattgct gtctcatctt aatgcctctt tggggcctag taatttgaaa
24781 gggcccacat tcctcagata aaagtccttt tctttcctca tctataatac tattcaaatc
24841 taaagaaaaat gtatgttgct cacagatacc aacagccatc agttttttgt gtttgattta
24901 atttgttcag taaaaggaag atacaaaaata gggaaaaagc tcaggaaaag agttgcgttg
24961 aactctttat taattttata tgtagttcag ttgtgtttta aagattttca agtgcaatct
25021 tagaggcctt catttccttg tttcttgatt accctccacc tgcctcattc ccctctgag
25081 agtcatttcc cattcctcgt ccttgacccc ggcctcctcc gcagagctgc cctcctctga
25141 atcctgatgg ccaactgtct tattcttccc cagggccttc tcagccaggg cggaggctcg
25201 ttgtgggcag ggctcctgtc ttttataatc ctgacagagt tgccaaacgt ataaaaaatt
25261 tttaaaatag cacttgtgca cttggaaagc attccatcac atacctcttg gttgtttta
25321 ttagatgaaa aacagagatt cagttatgag cgatctggat atgatcttga agaattctgat
25381 ggcccgatg aggatgacaa tgaaaatgaa gacgatgatg aggacagcca ggcgaaatca
25441 gtcctgtcag ccacaccctc agtcacagct agcccgcagc acctccatc tagaagtagc
25501 cttcaggacc ctgtgagtag tgacgaggat gtcaggatca ccgattgctt ttctggggta
25561 cacacggacc caatggacgt tctgcccagg gcgctgctca ccagaatgac tgtcctgagc
25621 acagcacagt ctgactacaa taggaagaca ctctctccgg ggaaggccag gcagcgtgct
25681 gcgagagatg aaaacgacac aattccgtct gtagacactt ccaggctccc gtgtcatcag
25741 atgtctgtgg actaccctga gtcagaagaa attctgagaa gttctatggc agggaaagct
25801 gttgctataa cacaggtaaa tgattggcag ttgttctttt atttcttttt tcgttttaac
25861 ctattaaata tggagaactt aatggcttaa gaaaataatg cacttaagtg atttttttag
25921 gccaaatcag tttgtatagc ttttattttt tcttgatttt aagggtagag ggtatttttg
25981 ccctttggag tcttgttgag tatcttaagc agttcagata ttttattgta aatctatgaa
26041 agaaccaaat ggttcttgaa aaatacaccc atttattttt atttgctttt tgaaaaaatt
26101 ttgaaattaa aaaaaaaaaa aaacgtgaca gtggcgaaca caagtcccgc aactgattta
26161 tctgctggcc cttctgagc agtttctcca ctggtgctga tgtgatgatg gatttttact
26221 gacttaccce aacattttgc actttgcccc cattggcaag acagctacca gtttctatgg
26281 caaagttaat gtgaccgcaa aacacatcaa gaagttcact ttgcttgaat tatcacattg
26341 ctacagcagc ttgggagagc tttctgcccc agaactatct caaggcaggc acaggcctct
26401 gaaaagtcac gctccatgtg ctgtgagtga gtccctgctc tacctctggc tgttttgta
26461 caaatgatta attctgggag gaatacattc ttccctcatt gacagttctc ttacctctag
26521 tatgtattga atattgcaat aggatttatg cctaattgtg gcagattgtg ctgtaagcgt
26581 ctctatccca aaacctctca gacacttacc agtgccctgga aatctgggtt tcagtagaca
26641 tttcataaac ttgcaagtga tagacaaaca accagagaaac tttttcatag taacatctct
26701 tcacaaataa ttcttttagt catttttccc cattgagttg acatagccaa cttgaatctc
26761 aatttctcag taactcttaa tctctaaaat aagggtggagc tggtagtgcc agaaacagaa
26821 ataataacaa aatagcagc ttaagaatat agctgtgtcc acttctcaga gttattctct
26881 gtgtacaata tgacaaaatc caggaaattt gcttcagaca tgcaaaagac tatacaagat
26941 gtattgccat tatttctacc agaaacgaaa ttaaagatgt aataattgtt taattggaag
27001 cttattttta aaaatcgaaa aataatttca ttgcagcaaa catcattttt atcaatgcaa
27061 atatacttac ttttatctca ttgtgaagaa atagatttag cactagcttt atatctcagt
27121 gattacaaaa gacctgtcat aaaaggattg ctctctcttg tcatttagag cccatcatct

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FIGURE 1 (continued)



27181	gtaagacttc	ctcctgctgc	agctgagcac	agcccccaga	cagcagcggg	gatgccttct
27241	gtggcctcac	cacatcctga	ccctcaagaa	cagaagcagc	aaataactct	acagccgact
27301	ccaggcttgc	cttctcccca	cactcatttg	tttagccacc	ttcctttgca	ttcccagcag
27361	caatcgagga	caccttataa	tatggttcca	gttgggggga	tccatgtggt	acctgctggc
27421	ctcacatact	ccacgtttgt	gccccctcag	gctggaccag	tgcagctcac	gatccctgct
27481	gtcagtgtcg	ttcacagaac	tttgggtact	cataggaata	cggtcacaga	agtgtctggc
27541	actacaaacc	ctgctggagt	ggctgaatta	agcagtgttg	tgccatgtat	tcctatcggc
27601	caaatccgcg	tgccaggcct	tcagaacctt	agtaccccag	gcttgcaagt	actcccctcg
27661	ttaagcatgg	aaaccgtcaa	tattgtaggc	ctagccaata	caaatatggc	cccacaagtc
27721	catccaccag	gactggctct	gaatgctgtc	ggactgcagg	ttctgactgc	aaacccttca
27781	tcacaaagca	gccccgcccc	tcaggcacac	attccagggt	tccagatcct	gaacatagca
27841	ttgcccacct	taatcccctc	agtcagtcaa	gtagccgttg	atgcacaggg	agctccagaa
27901	atgccagctt	cccaaagcaa	agcatgcgag	acacaaccga	agcagacttc	tgtagccagc
27961	gcaaaaccagg	tcagcaggac	cgagtctcct	caggggttac	ctacagtcca	gcgggaaaat
28021	gcaaaaaaag	ttctgaatcc	acctgcccct	gcagggtgacc	atgcaaggct	tgatggcctg
28081	agtaaaatgg	acacagagaa	ggctgacctg	gcaaatcacg	tgaagcccaa	gcctgaactc
28141	acttccatac	agggccaacc	agcgtccacg	tcacaacctc	tgctgaaggc	acattctgaa
28201	gttttttaca	agccctcagg	ccagcagact	ctctctccag	acagacaggt	tcccaggccc
28261	acagcactac	cgcgagggca	gcccactgtg	cacttcagcg	acgtgagcag	cgatgatgac
28321	gaggacaggc	ttgtgatagc	aacctgatgg	atttttat	ttatttgctt	tttttttata
28381	taacacttaa	aggtttcttt	gaaaaccctc	ctttccttaa	agcacat	tctgacataa
28441	actcatgact	aatctttgtg	caatcatgaa	cttttgacca	ataattgttg	ttttgtgtca
28501	gctccagcca	tttttgtaca	tgttgtatag	acaattgtgc	cttttaggag	ctttatgttt
28561	agaaactgta	cagattgttg	aatatctata	tacataaaaa	tatatata	atgtatatga
28621	aaaccaggta	gttattttgtg	tttagtaagg	aaaacctgtc	aaataaatca	aatgattaaa
28681	ttatatgttc	cactgttgaa	tataaat	atggctatgg	ggcagagttt	tgtgtataa
28741	attagtatgt	aaactccata	tttattgtat	tcatattagt	ctttgaaaat	gggtctgtcc
28801	tccttgtgta	agacagtaac	tttacacttc	agacagattt	tctgtgttat	gaaatgtttc
28861	agtaaaatat	tgtttactga	ctttaccatt	gcttcagttg	tgccctcttt	atatcatcca
28921	gtgatcagtg	atctgcattt	ggaaaatagc	cctgggttcc	attctttcca	cattcccctc
28981	aacccttcat	tttttttata	aacagagact	ttactgcct	ttctaccatg	tgaaactgta
29041	actgaaatcc	atacaactga	ttgacctatt	tttcttattt	gtgagaagtc	atctcatagt
29101	tattattaga	agactaaata	tataagaata	ctttctgtat	atacataaag	catatagcct
29161	aaaatgggca	acgttcctaa	atgagggtat	ggaaatttct	gggaaacatg	agttaaacc
29221	cattgtcctt	agaatttggc	tcagatgaga	cccgtataac	ctcattttcca	ggctccaaca
29281	ccagatccat	tcgtgggcta	tgggctcttc	tttcccttga	tgctgttaaa	ctcacagagc
29341	tctgtccagc	actgaaactac	agagtgtcca	agattaccga	agagccaaat	tcagacttct
29401	aaattactta	agtgactctc	tttagacatt	actatttcct	gtcctggaag	gttgaaacct
29461	cottatttcag	gaaaatatgg	cggcatgggg	agcccccaat	taccagtgc	gtgatttgca
29521	ttattaatga	ttatagatgc	taggtttatg	agaaaagtat	tttaatgttg	gaatttaaat
29581	acttagcaca	tcattaagtc	aatgtattca	cattttttaa	ggcttgctta	acaaagattg
29641	cagagacatg	aaataagtaa	gacaacagca	tggtttgcga	ggtgagaggt	aggggacagc
29701	ctatctacta	aggggttttg	agacctgctg	ctagccaacc	cagcttcacg	tctgtgactt
29761	tgcaaagacc	tggcatttca	acttgcgtat	ccttatctca	attaggatct	ccaaggtgtg
29821	ctgcagtccc	agcacgcact	ggtggatctg	tgatgcttta	aatgaatgct	tcaatttaca
29881	tttacatatt	tccatagatt	aagtaacaaa	attctctcaa	aaacaataaa	actacatttt
29941	tatattctga	gatagctttg	gaaagaattc	tggaatatc	tgctctaggg	attgcgttgc
30001	cctatcaata	atagctgttg	aaaatgaggt	ctgttttctg	tccagtttct	caaaattaat
30061	gttttaactg	tgcatgaac	tttttattgc	ctaaaatttt	aaagcagtat	aataagcata
30121	ttcttaactc	cataattaag	tacagatgac	ttctctaaat	tcaaaaataa	tgcttgaggt
30181	tttttagcatt	gagggttttt	agtttctata	gaattttctt	aattttaaaa	attcctatac
30241	ttaaagacaa	gtgttacgat	gtgagtggat	gttcccttga	aattttcata	atgctgtaat
30301	gtaccttact	cttattttgt	acttttcaag	attcttattt	tgggcttttc	aaaattcaat
30361	gcacgtgca	aataccttta	ctattggcaa	ctttcaagct	ttattgtagc	ctttcaagta
30421	ttttgctagt	atttgaaata	tgcagctcta	taaaaaatat	taccaaaagtc	taagccatta
30481	tattttgaaa	ttacatgcac	aaaatagaca	agggacaacat	aattttgtgc	tatttctccg
30541	aagtcgtctt	ttcccaagga	gcagtgtcca	cttgatactc	ccaaatataa	acgacttcca

FIGURE 1 (continued)

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30601 aataatgttaa ttcggagaac taatgggact acatttgact tttattctgt tgcactgtcg
30661 tgtgtggaga ccaggcctg tagagaacta gggtgcaatg acatagtaag ataatttatt
30721 gacaaaacag gtgaaagttt taatgtgttaa caatttcaat accttgtgtg aatccactgc
30781 aatgccatca tcagaagtac tggaaaaaac agctgaagaa ccacaggctcg tttttctagt
30841 taaagattat tatatctggc ttatgaaaat gtattataac ataaatcgag ggcgttccaa
30901 taacttattt tcattcccta aactttaagc caaatgata attatttctt tcgaaatgat
30961 aattaaccga tggatttgaa tgtacaaatt ttgtttctca gttatatttt tcataatata
31021 gacctgattt tcctttcaca gaaacagtat aagtaacacg tttcttacta attaatccct
31081 ggctgaattt ttaaattgata gcagttaata aggattatgg aaaataatca ttatttttgt
31141 tggaagactg tcaagatagt taatagatct tgattcatgc tcagttcaaa ttataacatc
31201 agggttcttt ttgacttttc tgtttttcat cttacatttt gcagttcaact tcaaataata
31261 ccagaaagat gattttcatt aatttttgtt caaaaccatc tataaattct aaatacagca
31321 tgtatatcac cttaagaatc ttctctcaaa gtgacttccc atgacttaaa attctaaatt
31381 tcctacttaa tattcaaaat atgtattttg taatatatat ttgtatatat ataatatatg
31441 tatatattac atgcatgtta tatatacggt atattacatg tatatatata tgttatatta
31501 catgtatata tacatgttat atatacatat acatatatat gttatatata catatatata
31561 tatatgtgta taatatatat acatatatac atatatgcat aatatatata catatatata
31621 tgtgtatatg tgcgtgtata atatacatat gtacatgtgt agatgtgctg atataatata
31681 tacacatgta catgtataga tgtgcgtata taatatgtac acatgtacat gtatagatgt
31741 gcgtatataa tatatacaca tgtacatgta tagatgtgctg tatataatat atacacatgt
31801 acatgtatat ctgctgtatat tatatatata tgtacatgta tatatgtata tattatatat
31861 acatgtacat gtatatatgt atatatattata tatacatgta catgtatata tgtatatatt
31921 atatatacat atacatatgt gtatatatac atatatatgt gtatatatac atatatacac
31981 atacacgtat atagtatat tatatatata tatatacggt tatatctata ttatatatac
32041 agatatacgt gtatatctat attatatata gatatacggt tatatatata tatatacata
32101 tatacatata ttatatatat atatatattata tatacagata tacgtgtata tatatacata
32161 tacatatatt atatacatat atacatatat acatatatta tacaatata tattatataa
32221 ttatatatac atgtatatgt atatatattata tacatatata tgtatatatg tatatatata
32281 atattttata taatatattt tagtggcaat aactccctgc tctcattacc aagtggggaa
32341 aaaaaggaga aaaggtttta agcaagaata gcaaaatgtt tttctataca aattatatac
32401 agactgttca caacttacta tggttcaatt taatgatttt ttcaacttta cactgatgtg
32461 aaaatgataa gcattcagta gaaaccatac tctgaatttt gatatctttc tgtgctagca
32521 atataggggt tgatctctta tgatgctggg cagcagcagg agccaaagct cccagccagc
32581 tacgtgattg taaccacaaa cacactacag tgcactgtat tcaatacatt atacgagata
32641 ttctagactt tatttatatt taaataaata attgttagat gatgttgctc aactgtaggc
32701 taatgtaagt gagcacgttt aaagtagggg aggctaagct atgttggttca gtaggttaga
32761 tatattaaat gcttttttgt cgttggttgt gttgaaacag tcttgctctg ttgccaggc
32821 tgtagtgcag tggcgcaatc tcagctcagt gcaacctctg cctcccagg tcaagtgatt
32881 ctctgcctc aaccaccga atagctggaa ttgcaggcac acaccaccac actggctaatt
32941 ttttgtattt ttagtagaga tggggtttca ctgtgttggt caggccaatc ttgaaactcct
33001 gacctcaagt gatccgcctg cctcggcctc ccaaagtgt gagattacag gcatgagcca
33061 ctgtgcccgg taaatgcatt tttattttag gatattttca atttacaata gattcattgg
33121 gatgtaaccc catggtaaat caaagaacat ctgtaatctg aaagtcatga tgcatttact
33181 taaatatatt ggattcctag tctttgcaca cacagggtta tctggaacct tgcattataa
33241 ggttctctgg aaggcactgt aggcataaga gacattatct gctcctaggt gttcactgtc
33301 ttctgaatct ggcttgggtt tgaagaaaac gccagacat ccaaaatcca gtaataattt
33361 aagtaccaac caactccaaa agaaattaga aggtacagtt tctaccccag aggagaatgc
33421 ctgcttaaga cagatcaggt aaactaggac atgacaatag accacatcat agagaccaca
33481 gactttaaaa atgtatgaga gtaagaaaag tgattgtctt aagaagttaa agaattgatt
33541 gtgtatacag gggattgctg tattttgaag gaggtatggg atttgggact ttagaatata
33601 catgatgcta aggagtagaa caaaaatagt agtcatgaag tctaagacaa atgtgtgcca
33661 gggaccagtc taagtggaa agaggattca ctcagacatt cgataatatt tatttagcac
33721 caatagtgt gaaagcact tgggacctgt aatcccagca cttcgggagg ccaaggtggg
33781 cagatcatga ggtcaggaga tagagaccat cctggctaac acagcgaaac cctgtctcta
33841 ctacaaatc aaaaaaagta gccgggggtg gtgggtgggca cctgtagtcc cagctacttg
33901 ggaggctgag gcaggagaat ggcatgaacc tgggaggcag agcttgcagt gagctgagat
33961 catgccgctg cactccagcc tgggcgacag agtgagactc tatctcaaaa agaaaaaaa

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FIGURE 1 (continued)

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34021 aactttgga atgcaaatt gatgcaaatt aaatgatgcc tgtccttcag gagcttcagt
34081 tctagtagaa gagtaagtaa gcaagatgca aggtatcttg aatggcaaaa gaaggtagca
34141 ccgagtcag caggagtgcg aatgaaggag aattcctggc tgagttgatg agggagtgcg
34201 tcaaagagaa tgagacattt aaatatggcc ttgaaggagc ttggttaagc agagacagtg
34261 gatgagacag aacagacaga agcactgtgg aggagaatcc gtatttatcc ctacggcgtg
34321 ccattctataa tcttatgtaa tcattccaag caggaaggat tatctcttcg ttttataggt
34381 ggagaggctg caactcacag atgtgatgaa accttgccat gcagatgctg ggatttgaag
34441 ccaggatggt gtgatgcaac agcataacac ataagcaaat agtagggaac gtgaaagggc
34501 attgagacca agggaataaa ccacattttg ggatttagca aggcattctga cgaagccgca
34561 ataattattt ggttggattt aaggatgatt agtacggtgg gctcgtcaag tggaaagagc
34621 aatcagtggg tcagagcact acagggaag gagcacgggc tgtggactcc agaaaccatc
34681 actgtcactt ttctaattgt ttaataactt acgggagagt gaagcagtc caggacacaa
34741 aagtaaggag gaaagggag taatgcagag gaggggtgaa gcaatcacga gtgaccagca
34801 gccaaagctg ccacagtatt ctttcttttt agttggcgga ctgaataaaa tagaggaaac
34861 atttgttgat gacccaaata ggtcaggatc agtgtccaga agattcaacc aagtggagag
34921 atgggctgaa tatgaataag acaatttaac aagaaagcaa aagccttggc acttggattg
34981 aaaatttaag tgtactaaaa aacagcagtt tgctttgcac aaagttcagt atgtgccacc
35041 ctcattccctc cctctcccaa gaaaaagcct aatctggggc atagtagaaa tacgttattt
35101 attttttatt ttatgttttg tagagatggg attttgctat gttgccagg ctgttcttga
35161 actcctgacc gcaagcaatc ctactgcctc agcctcccaa agtgctggga ttacaggcag
35221 agccactacg cccagccaga aatccatgat ttcataatac attatgtaaa accacactct
35281 atacctcat gatcagagca ttctgggagc atcctccata atcggaactcc aggcttgaa
35341 aagatacaga caaaagagca cattctgagg ccatcaggct ctgaggccaa gctcacagt
35401 gccctgtga gagggctgg aaataggata atctggcggg ttctcacct gatagctaag
35461 gacacaccta gggagagtca cagagcagaa ataataaaaa agaagttgcc tttctggtg
35521 aaggagagag agttcaggga ttgtgaaaga agagaaagtg ggctattgtg agggaaatgc
35581 catgtccccg ttcatTTTTT tgtaaaacta agctgaacct cacagcaaga agctagtggg
35641 aattcatggc tcacagctaa agctcatatt tgcataataa tcagacataa atatggaaga
35701 acatagtgat ttctcttcaa ggaagactgc aaggttaaac attctagtat gattcacgcc
35761 aatcctctaa gatgtattgg gatcagccgg ggaggcaatg cttagctgtt caccctcca
35821 cttgattctc aagcaggttc tgaatggaca ccacctcaa gagctcggac tctgacaact
35881 agatctgctc tgagaaagta gacagaggca gctgagaaga gcctgggact caaacccatg
35941 acccaccac attccatcat ctgggagaag gaccaggcgg acatttctct aagtcaggaa
36001 tcaagttttg ttcatTTTTT agatttggcc tttagacat aattaaaagt ccccatgaca
36061 ttaacaaaa gttttctaatt tactttgctt ttgttctctg agaagctagg gctgtctcat
36121 tccatcatgc ctgaggtgta cattagatat tgtattaagg gtttatttca gcacactgaa
36181 caactgttct tttgaggtgc tagattgtta ctgggaacta gattgttact ggggactgca
36241 tgctcaggta aggatggaaa agtggaattt aaggacctaa ataagtttta agttttattt
36301 cccaccacc tagaccataa atctcattct gaaaaaaaat atagctgatt ttggtaatta
36361 ttaagacacc tcaaattaaa caggaaattt tctgggtca aagagatatt gataaatgac
36421 ttttcaaaga taggtaaatt ttcttactta aactaacaag atattagatt taaattttga
36481 gattataggt catgctctgt tggtatgata gtgttttatt aaaaaaactc acattttata
36541 tagtgagta tttttaattt taacatttac aacagatatt gcattatatg aagtcattct
36601 cacattgtgg ttgagataat tgctcagggt tgcaaagcta gttaagtagt gaggctggga
36661 gttaaaacac ggtccttttt tttttttttc tactgttcca tgctgctttt tcagtaatga
36721 tttatgataa ttgggttgta ttgtattcat ttctagggtg aagtctattt agtattcata
36781 aaacatccca ttttaatttt ctacaaaaaac gagtatgtcc agtgccatgc atatttgtat
36841 aaataataga ttttgtaacc tttttctttg ccctttctca caactgatat aataggagcc
36901 ataaaaatat ttagtgaaga aacatttaac ttaaatagca ggagataaaa gagcaatcca
36961 aagtgcaggt tctaatacag cataacacat gtaaaacttc aagtatatta ggtttcagtt
37021 cttcatcatt attcagaaaa atgtctttgt tacatgtctt atgagaaaag attggaggga
37081 agacagtgga gcagcgattc acattgtttt gagtattgac attgttgga tacagcataa
37141 catattatat tatgaagttc ctgagtctga tcttttcaga aatatttcca aaaagaaatg
37201 gagcaatttt ccattacatt ttataaagaa gataattatt taaacatatt tctcctagga
37261 aggggacagc aaattgcact gctttttatg tgcagacttt atgagggaaa gaaagcgatg
37321 acaggaactt ggaaatgaag gcgtttatag attttagcta taaaagcgt aagagagaaa
37381 aataaatatt tgttctgttt agcagatgat cccatattgc agtataaggc aatagaggtc

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FIGURE 1 (continued)

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37441 cctacatata aaacgtaact tttttctttg tctgattctt acttttggtc ctgaaatgca
37501 gacgtgaata attagataac ttttatgatg tctatatatc tgtgggcttg aaaaagatat
37561 ttcacgaaga ccaatagaca tttgttatgt tgttgaattt gcttgagaca agacatcttt
37621 cattcatttg ttttcagtta cttgaaagac agtatgttta gctagctacc tatgaatggt
37681 gccaaatgag atctaaggaa accatgatag gtgaaagaca tcagggtctt acattcctgg
37741 agatcagtc tggaaagaaa agccagctct gagatcagtc aattagccag gcatgcttag
37801 ttttctctgc taatagcaag gcttattttt gccagtagg gtcaaagtgt aagaacagtt
37861 ttgattcagc agtagtgccc ttttaatacat ttgaatttat ttatttcgga acatctctat
37921 actttcatta cacagcaaga cttttctgt tcttcaaca tttttatttg ccagaagtag
37981 tttacgactt catgcagtct acttattatt cataactaac catgtgcaat cataataatt
38041 attgattgaa caatctgggtc ttcattaaaa gtatgttaac tattctaatt aaataatatg
38101 catcatttct aatctacaag ggttggaac ttttgaattc ataatttga ttatgagaaa
38161 ccaaatttca aaaaatatgt ctatgaggag aaaaataatt tctaaaattt atttttttta
38221 aatcagaccc aaattattaa aaacttcact taactaatga agttaaatgc ttgatgaaag
38281 cattaagctc tgttggaat agttgtaaaa tatttagtat atggtacatc aaccctctt
38341 gatacttaag caaccctagt acccccaggt cagtgtctctg aaggcccttt aaatggagat
38401 aaagatcaga actgacacag ggaccccagg gaccaatcct ggaaaaatgt tttgtttgtt
38461 ttgttttgta actaaacaaa ttctgtgaa cctttgttg tctttttct aaatccttca
38521 aaaaaagaag aagcatttg aagacacaac agattcaggc gacaaaacat ttcaagtttc
38581 tgctacaggt agaatcgtat gttctttaga atttcagttg aaatagataa catatttcca
38641 tgatggactt gtattgtctc ttagagacac ttacaacttt tgttgttgtt gttgtccttg
38701 ttgttgctat ttaataaact ctcttcagca cgtagaatac atgccaaatg tatttgtaaa
38761 tgatttgtaa tgtaatttaa gtgatttga aatgaatgat ttgtaaaatc tgtacattgc
38821 attacttcgg tccagagtta ggggccattt agatctgggt gctgggtgta atgaacataa
38881 gttcaatctc tgttcaagggt ttatttcaat gaccatagat tgtgtctcta actggttgagt
38941 catctcacia atttatgact aaatagggtg tgggcaagag agaacagatt tacaataact
39001 atctcaaggc ttgtcatcta catactgcaa caatattatt agtattgaat taataattaa
39061 ttggtatcta atgaatatta atattcgtat ctaattactg ttaaattagt ctggtgtttt
39121 ctagtttatc tgtcaaatac aaacattagc ttaatttttt taagtatttc atatggaaac
39181 aatttaccag ctaattgtca aattatttat tttctgtgct tcagttttct catctgtaag
39241 ttagggcaaa agtgccaaca tgagagggcc tttgggaaga taaaaacaga taatatgcaa
39301 agtatttaac aaatcctagt gtatagtaat atccaaataa atgtagcac tagttattca
39361 agtttttcaa taattttaaa tgctttccaa tagaacagat actaacattc attcaacaaa
39421 tacttatgaa gcacgtatca catgcaagtc catggtcaga tgtgtatctg tgactatggt
39481 caaaaccact tacaccctat ttttaaatac tgcgctatgt ttaaaatgtt tcctaagtgc
39541 tttgcagaaa aaccagacaa ggcagaaata agtcaaataa gccaaacagg tcatctctga
39601 cagcttatgt gaagtcttct ttctaaaagt tcgaaaatgt ggagtcttc tgtgcattca
39661 ctaagggagg atgggctgtc agctggcgga acagtgtgtg agatctttgt agatgacgcg
39721 gcaccatcca gaaggagggt tacgtattgc ctggctcttc tggggttgac tttattcttg
39781 gtgcaacctc acagggattg gtcacagaga ggagtgatct ttgcatatga ttgctactgg
39841 gccctccaca gagtccaggc ctgtccggag accagcatta gacaacaaag aagcctcctg
39901 aggctgcgag gagcccgtca gccacttagt gagctgcctc tgcactcca gttctgctgg
39961 gatccgggat tcttattatg gcctggcaac ctccagggtta ctcaactg gcacaagagg
40021 gtatctgagt gacattgtta agcagtaatt agaaacagtt gattagtcag agtggatttt
40081 ggtttgactc ggggtaattt tgtttttgta agtcttgggt tttttttttt ttttttgaaa
40141 cgaagtctcg ctctgtccc ccaggctgga gtgtgatggc tgatctcggc tcaccagaac
40201 gtccacctgc agattcaagc gattctcttg cctcagcctc ccaagtagct gggattacag
40261 gcgcctgcca tcatgcctgg ctaatttttg tatttttagt agagatggag tttcaccatg
40321 ttggccaggc tgatctctaa ctctgacct caggtgatcc acctgcctcg gcctcctaaa
40381 ttgttgggat tacaggcgtg agccaccgtg cccggccagt cttgggtatg tttttaggag
40441 ccgttggact tcagatataa aaagcaagct tgagctaact cctccagttt cccatttag
40501 taaatgaaga aagcgatgtc caaagagggt gaatactctc catcctttta aaaggatata
40561 aagcattggt ttttttctt ttacatttgt ttaagttcct tacagatgct ggatattaga
40621 cttttgtcag atgcatagtt tgcaaataat ttctctcatt ctgtagattg tttactctgt
40681 tgatatattc ttttgcgtg cagaagctct tgtttaatta gatccattt gtcaattttt
40741 gctttgttg tcattgcttt tggctattca caatagcaaa gatatggaat caacctaatg
40801 tgtgcccac agtgacagat tgtataaagc aaatgtggt catatacacc atggaatact

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FIGURE 1 (continued)

40861 atgcagccat gaaaaagaac gagatcatat cttctgcggg aacatggatg gagctggagg  
 40921 ccattaactt cagcaaaacta acgcaggaac agaaaaacaa acactgcatg ctctctctta  
 40981 taagtgggag ctaaagtatg agaactcatg gacacaaaga agagaacagc agacactggg  
 41041 atctacttga ggggtggaggg tgggaggagg gagaggagca gaaaaacaa ctattgagta  
 41101 ctaggcttag tacctgggtg atgaaataat ctgtacaaca aatccctgtg acacgagttt  
 41161 acctgtataa caaacctgca caggtagccc caaacctaaa atacaagtta aaaaaataaa  
 41221 atgatacaaa ggggccatgt tcatggtagc taccagcaca ggctttggag actgtgcttg  
 41281 ggattttatt ctctctctc tacctacaag ttttctaacc ttgagaaagt cattatatct  
 41341 tcctgtacct aaatttcttc atctataaaa tgggcctaag gataatgtca acctcagaaa  
 41401 ttgctgtgaa taaatgagat cttatgtagg tgtttagtaa aggacctgtg tagcctgtat  
 41461 taagtgttca aagttctctc attattatta ttgttgcatg gattgttatt aatctgggga  
 41521 gaccaacgtt agaaatttga aaccagaaga taataactga caatcaaag tcccttcttg  
 41581 ctctgaaatt ttgactctaa accacaatgt gtctttctaa taagctagat aagtgatagg  
 41641 ggaatttttg tgtttagtaa catttgtttt tgttatttgt tattcatttg tatgtctccc  
 41701 gtgtcagtat tcaaagtact tcagagaatc agataactaa acataaaaatt tatactgta  
 41761 atgtaaaata tttaaaagaa tttgattaat ttataaagaa tatttgaaag tgtttgcgtt  
 41821 gggtttatgt ttcttgtgac tttaatctga aatgtttaag ataacatttc aaagtataac  
 41881 tatgaaaagg gaagctatat gtttactagg gaaaatatat agtgctatct ttatgacatt  
 41941 gagataggga aaggcttgca ggtaagaaac aaaaccccaa aatcatgaag gctcgtaaaag  
 42001 tcaagttcat caagaggcaa aacttttgta ctaccctcaa aactgtttaa aataaaaact  
 42061 aaattggagg aaaaattttg ctttatgtgt ctgacagagg attctcctcc aaaacttatt  
 42121 tcaattatth tacaagttgg tcgggaaaag tcaaataaca cactaggaaa atgttcaaac  
 42181 tgtgagaata agatccgggc atgggtgtgc ccacctataa ttccaacact ttgagagacc  
 42241 gaggtgggag gattacatgg ggccaggagt ttgagaccag cctgggcaac atggcgagac  
 42301 cccatctcta caaaaatatt tgtttaaatg taaaaatatg caattcatat tagaaaaaat  
 42361 ataaatggac aacaggtaca tgggaaataa aggacatctt taataaaaaat gagaggaatg  
 42421 caaattaaaa caagatatgg tttttataac caggtaggca aatattaaga acctaaagc  
 42481 atctggtatg gcagggtgt agaggaagca gtgtcttcag acacaactgg cagaggagg  
 42541 tctgagttga tggggccatt tggaaaaaca atctggcagt atttattaga gctacacgtg  
 42601 caggctctat gttccagcaa tccccactcc cttacatcag ctctagagga acacttgcca  
 42661 aggggacatg aacgaaaaaa ttcattgtgt ggtgtttttc tctactgaaa aattgtgaag  
 42721 aacctaaatg cctttcaata gagtaatgtc tgaataaacg acagtatttt ctttttcta  
 42781 gaatgctaag cagaactaaa aagaaagcgt tagatagatg gatggatctc caagacatgt  
 42841 tttgagataa aataaccagt tgcagaaaaa tttatacaat gggatccaat ttattttaaa  
 42901 aatatagaaa gatataaaca aatgaagtat agaagtatgg agtcgtatat ctctatgtaa  
 42961 aagcacagga aaaggcatgg aatgatacat gtagcacata gctctggacg tccctggaga  
 43021 gacgctgaag gttgtgggac aggcaatcag gaggtgatgg ggttttatga ggcaaatgaa  
 43081 taatacagtt gttttctacc cgagttggga acagattaat atatagatag ggcccaaat  
 43141 atcagctctg tgactgagga agtgataat ggagcaggtg gcttagtttc ataataaagc  
 43201 aggcctgcag tggctctgtt cctcacctcc tatcattttt tgctcccctg cattccctcc  
 43261 gcaccatcca ccagcaggct aagctttggg acagtccatg agaaaggagg cttagttctg  
 43321 cataacctct gattggagcc agaaaaataa gagacggata gctcaatctt acagcatttt  
 43381 catagattgg ctccatctc cttaaaaata tgagccagtg gtcaccacca acaattagtt  
 43441 aatgagttgc tccttctcat ccccaggagc agggaggatg gaagtcgtgg aacacaagga  
 43501 gctcaaggcc aaggttgtc tcctgtcttt accattatga ctactattgt tccatgaagg  
 43561 tgagtatcac ttacaagtaa cagtatcacc tacaagtaat gtttttttaa aaagaaaatg  
 43621 tatccatgta atacacataa gcaaaaacaa aagttcagta gaaatctaca atgatgttag  
 43681 gcattttttcc caacagtagt tacttataaa taatgttttg tttatttatt atttatactt  
 43741 acttattttat tattttataa taatgcttcc aaaaatgac ctgttaatat aaaacaaaaa  
 43801 ttaagatata aaacatgaga aactaaacag ctatgacatg aattttcttt taaaagactg  
 43861 gaaagcattt atcttgtaga aatttcaaat aagctttata tcaatatgca ctcaagatat  
 43921 tgaatagcat ttgcaaaata aattattaaa atgtctgac atttactgtg tgctaggtat  
 43981 cctgctaacc acttcacatt ttttttcgtt taatccttct attaatacta tgaggttggc  
 44041 actctttttc agttaaggaa actgaggctg agaatggata aatatttgcc tgaggccccg  
 44101 gaaaatgttg gccacttct actgtgatt tatcttactt tttcttcag catattcttt  
 44161 tctaactaca ggccattat ttgctaagct gaataagagc attttaaatt aaaataaatt  
 44221 cagttgtttt ctcggcatat acatttgacg cgattcacia acttcaatct tcatctactg

FIGURE 1 (continued)

44281	aggagaaaga	gttcttttatt	cttataaact	ataattataa	gcattcaata	ttttcagagg
44341	aagaaaatgt	atctgtttat	actaagtatt	taaaaatcac	ctacggattt	gctctaattg
44401	tcagtttctc	caaaattatt	attgtttctt	aattctctta	caagtaatta	taaatagatg
44461	tggtgttatg	aaaaataaga	aagatattcg	gtgtttcctg	tatttcataa	acaccacgtc
44521	attttcttta	tcaaaatttc	cattgaaaga	ttgtaagagc	attaggccac	cttctgggct
44581	taagtgtgta	tgagaagaag	ccacaacttc	ttttccctct	ggatcacctc	aggtcttact
44641	ttacaatggt	acaaatccac	acgagattaa	tattcaaate	cgtgaacata	tctttgtttt
44701	catttggtgt	aaaggatctt	ttattgtagg	tgctgcttaa	tgctgaatag	gcttgaaaaa
44761	gatgtatctt	caagtacagg	tgtaaaacaac	atgtgatttc	attaagatag	acgtagctat
44821	attgcaatga	tggcagtttg	gtcagtttca	taggtcaaca	aacatctgtc	agggtaagac
44881	ctcatgctct	gaatatgcag	gcagtcctat	aattctgact	atacatatgt	ttattttttg
44941	taacttaagc	aaaatttttt	ttagagccag	gcactgtggc	tcacgcctgt	aatcccagca
45001	ctttgggagg	ccgaggcgag	tggtacacga	ggttaggaga	tcgagaccat	cctggctaac
45061	atggtgaaac	cccactctta	ctaaaaacac	aaaaaattag	ccgggcatgg	tggcaggtgc
45121	ctgtagtccc	agctactcgg	gaggctgagg	caggagaatg	gcatgaaacc	gggaggcaga
45181	ggttacagtg	agctgagatt	gcgccactgc	actccagcct	gggcaacaga	gtgagactcc
45241	gtctcaaaaa	ataaaaaata	ataaaaaata	ataaataaat	aaaaattttt	ttagaaacag
45301	ggtctcactc	tattgcccag	gatggagcag	cagagtgaga	ccctggagtg	cagtgcacaca
45361	atcatagctc	actgcagcct	caacctcctg	gtctcaagca	atcctccac	ctaagcctcc
45421	caagtagctg	ggactacagg	cgcagtccac	catgccaggt	gttttaactt	ggcttataaa
45481	ctctatcaga	tctgttatta	cagagaactg	aagtaatcca	aaagaaaagt	attcggagac
45541	tttgagtaga	ttctcaaaac	aacagacacc	caaatgctga	aacattgacg	ccctcgctac
45601	agtcagtaca	ggaaaatgtg	aattattatcc	tggtatgcat	catagtata	caagttgcaa
45661	aggtgagagc	ttgtatttgt	caaagtgtag	aagtggttct	tcttacatca	taaaacatgg
45721	atgctaaccat	ctagatgact	taccttaaaa	tccattttt	ttctcttttg	atcataataa
45781	tgcattttgt	ggtacaaata	agagaggcta	ttttctttgc	caaaatagct	tgagagtgat
45841	cagagccgag	atatggaaac	tatggaatac	ctcatatttc	ttctcctgaa	agctgattac
45901	ccagatatcc	aaattcatta	ttctgtagtt	tattctcagt	gtattttcct	aagatttgga
45961	aattagacaa	gttcatacat	ggggcccaga	gtttcaagca	cttctgtat	taacagtaga
46021	ttacaaaagat	agcatgaaaa	atcggaaaaag	aattgaagat	gccaactaac	gcacctaaaa
46081	atcaatttca	tgaacttgct	atgttgaaaa	gtcaaataga	aaataattta	tgtgtgatat
46141	cagtaccatc	ttttcctttt	tttcttaaaa	caaaaatttc	cctttttatt	aaagaaaaga
46201	gaaaaataag	agaaaaataa	gtatatgaag	aatcacactc	agaaattgct	tcttctgtgc
46261	gtgcctcagg	gatgtgaagc	aaaaaaataa	caggcatatt	gatcataaag	ctgacaggtt
46321	attggtgact	ctaagagatc	tattgtccca	tccccaacta	gcagcaaaaag	ttctgatgac
46381	atgtgaattg	atatgaaatc	aggtttcata	gtgatttcaa	agaaggtttt	cagtttagtt
46441	cagggctgaa	ggaaatgtct	gtttctttgg	agaggaaaga	tgatgtgaca	tagtgattga
46501	gtcttgaacc	agggggccaga	gtacgtgggt	tcttccctca	atctcacctc	ttgggttctt
46561	tgtgacttgc	tatctctgat	cttccattct	ttccttctta	aagaatagtg	cgtgccatgc
46621	ctgcatcaaa	agagtcttgc	gaggaagatc	cagtgaggaa	atgtgtataa	ttgcctaata
46681	atatataaac	agtactgtgc	aagtagaagg	tgctattaat	aacatcagaa	tgcctttgcy
46741	attacaaatg	tgggtgacac	tgtgtgcatg	agtactgcag	gatgtggcgt	ccaatcacat
46801	ggtggccctc	cccgggtgact	caagaaaagg	tgcacatctc	agcactgaag	gagacctgat
46861	ttttctaaag	tgaagaagta	aaaatgatgc	cagagaccaa	actgcagtat	aacattattc
46921	atgggggagt	ctgtatcaca	ggacatttaa	agggagaaaa	cttacgtata	aaaaagaaaa
46981	atgtgctttc	aactagaaca	gcaagaaaaa	tgattttttt	taattccagt	aaaaatttaa
47041	gcaaaaacga	aacaagagaa	acttcaggag	tctaccaatc	ctagttgtaa	tccttttgaa
47101	aaacaggaaa	acttgagaac	aagagaacaa	acaaggtaga	acaaagttgt	ttttactggg
47161	ctaactatct	ctgtagtatt	aattagatag	atgaaacacc	cagaaggaga	actaagttag
47221	agaaagagaa	ggaaaggcaa	atttaaaggga	tgtgactcct	gttctgtgga	gcagactcgc
47281	tttagcatcc	tcttctgttt	attaaatatt	gtgtgcaaatt	gtctgggggtg	ccagctacgt
47341	tatggagtcc	ttggagatat	gttctacagt	gatctttcag	ataaaagccc	ttctttttta
47401	gatgagaagt	ttaactgagt	taactaagtt	ttaatcaatt	aatttaattct	tgtcctactt
47461	ggactagaat	ttagatgatg	tcttgatttc	tcatcttttt	gccacctttc	atggtttttc
47521	acatttataa	gataagatca	tttaattatg	ggacagtgat	ttcaactcat	ttttggattc
47581	gtctagccat	ctacactcaa	aatcgtagtg	tggcacatac	ctctaattat	catatataag
47641	cccaaattaa	ctatatcgta	ataattttgt	tatatccctt	gagatacaat	atacaaaagc

FIGURE 1 (continued)

10043715.010902

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47701 aagagataga atttatggtt gtatttgccc atgtgaagtt actgaagttt gaacaataaa
47761 tagctaacaa aaataaattt aaaagaattt cagataatta aactcaacat tattttaagg
47821 agctacagtg gcagggattc caggccaaat cacattgtaa agatagatag atagatagat
47881 agatagatag atagatagat agatagatag acagacagac agacagacag acagacagac
47941 agacagactg atttgggggg aagtgggagc aatttgtcag aacgtaaaag agaactattt
48001 gaattctgtc aaatcatttt acctggggaa cacttagatg ttggaggatt accttttcct
48061 ttggcttcaa gagaaaatag gcagtgtttt cagcaaacat catgattttt gatctctcaa
48121 agccttttga ttgagaatac agatgatata tttgtctcta tttgtactc ggaatctggaa
48181 tttcctagaa tgttacctac aaaagattta gatataaata tcttgaagaa ctttcagcac
48241 aaatgtcaaa attttttctt tgtcacctgt ttaccaatta cagtatcctc acactaaaca
48301 cagactcaaa cttctcttca ttccactatt ccagaatgga acacaaaaat ggtatatttt
48361 gatctgtatt tattgccatt gattaatgtg gcattcgcaa acaatcccat ttgggcagac
48421 catgttttga ttttaatttc attgcaatca acgtaatgaa gctattgatc gtttcttcca
48481 ttttcccttt catttgcttc ttaaatgtga accgcagccc tttgtgcctc aatctgttgt
48541 cacagatgga atttcttaga atgcatttcc tgtttctctg aagcagttag aatcgaaaaa
48601 aatcacttca tatcatatcat ttaaatcca ccaataaaaat caaaactttt atgagtcatt
48661 atgcaattgt cccatagagt aaaaggttca gctgaaaagt gatattgatt attatttcat
48721 tgcaacttta taaaactttc ctaggagaag tcattattta tttaaaaata aaaagcagtg
48781 gaagtctcta aaatattttt tacacatttc aggctaaggt ttaatatcca tacatgtgta
48841 cacacacaca atgaatatatt agaggtaaaa tttctgaaag aaacattttt atattaaaaa
48901 ggaagggact tctgattatg aacatgacta aataacaggt tttgaatgta gctactgaaa
48961 agtaatgaac tctcaaaactg gacaaaaatg atgaagtaac tgttttcaga cattggacaa
49021 cttaccacaa agggctgttg tccattcaag atggaatcac aggcaggcag acacaccttg
49081 ccttttagctt tctgcctggg gcactttcca cactgtggtg taaggcgctc acccagattg
49141 acagcagtggt tcttgctggg tggagggaac agtagagttc agggccactg acgcagctat
49201 aatttttgaa gaggcataatc cagagaggaa aaagctgcac ggaagcgtag ctctagaaat
49261 ctgcatatag gttcttttga gtcattggca tgcacatgtg aaactccatg atttctggca
49321 gagaagggtt ataagaggct ctgagttgaa ctgggacact gcaggttcca cagtgtctgag
49381 gggcactggc gttctgacct ggcagagtgg agtcatttca cgtaataacct caggcattct
49441 gttttgaaat cacagaaaag ccacacctta aaagtaggac tgacaaccaa attaaaaagt
49501 gagccaaaga cttgaattag agagttcatt ttaaaaaggt atacatatat gaatggttaa
49561 taagcacatg aaaatttgcct caataccagt agttattaga gaaatgtgaa ttgaaacacc
49621 agtggcctat gtaccactat acacccttg gagtggctgt aataagaaac aagaatacca
49681 agtgttggca aggatgtgga gaaatgggaa ccatcatgca ttctgatgga aatgaacatg
49741 gtatatccac tttgaaaaac attttgcctg tttattgaaa tgttatacaa aaatttatca
49801 ttcaacctag caaattcact cctagaaatc taatcaagag aattaaaaac atatctacac
49861 agagatatgt acatgaatgt tcaaccacagc attatttata atagccaaa gcaagtaaaa
49921 atctaaatgt tcatcaacta gtgatcagat aaacagaatg tgtgtatcca tataatgaaa
49981 ttgtaaactc agttattttat aatagccaaa agcaagtaaa aatctaaatt tcatcaact
50041 agtgatcaga taaacaaaat gtgtgtatcc atacaatgaa attgtatatt cagcaagtaa
50101 gtagaatgat tactggcata tgtattaata ttacatatat acatatattat aatacatata
50161 tacatataat taataataaa atgtattaaa ctagaaaaaa tgctaagtga aagaagccag
50221 acacaaaaga ctattaaata tatatgcaat gtctagaaaa gacaaactta tgaagtcaga
50281 aggcatatca gtggttgtct tgggctgaag ataagaattg aaattgactg gaaacagtgt
50341 gaaggaactt tctgggatga tggaaatgtt cttacacagg attgtggtga tggtagacac
50401 attctataat ttactaaaaa ccatcaaatt gttaaaaaaa aaaaaaaggc gtataactac
50461 catacggtaa atgctacctt ataaagccta aagtcagttg attcaccagt aaattaactg
50521 cctgccagaa taaaactcaa cactaaagaa aggcaacaaa atccaaactc tcagcaacat
50581 agcagctgca atatcccata tgcgatgaaa gttactagac atgcaaagaa gcaagaaaaat
50641 gtgaccaaat acccaggaga aaataagttg aaataaacag acctgagatg acccagatga
50701 tgaaattatg aaatagaaat ttccaagag tattataaat ttgtttcagg attaaaaagaa
50761 gagcatgagc attttttttt tttagcgaaa agatgaattt cagcagagaa atcaaaaacta
50821 tataaattaa atacatggaa aatctggaac taaaaaagtc agaaatgaaa aattcactgg
50881 atgggctgaa tagcagattg aaacatgcag aaggagatag cagaaaaactt aaatatagag
50941 caagagaaaa tctaaattta aatacagaga agagagattt cttaaaaaatg aagaatttca
51001 gtggttggtt gaaatattat caagtggtaa tcggggtcat agaaggagag cagagttcag
51061 agcagaggac acatttgcaa aaataatggc tgaacatttt ccaaaggtaa aaattactgc

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FIGURE 1 (continued)

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51121 tatagtttgg atgtttgtcc cactcaaacc tcatgttgaa atttgattcc aatactacag
51181 gtgggggtct aatgggaggt gtttgggtca tgggggcaaa cctctcatga atggattaat
51241 gccctccctg tgggggtggt agtgagttct cctctgttta gttgcacagg aactgattgt
51301 taaagagagc ctggcacctc acccatccct tgcgtcctct cttgccatgt tatctctgca
51361 cataccagct cccctttgcc ttccgtccac cattactgga agcagcttgt ggcccttgct
51421 ggatatagat cccaatcct gaacttttcc agctatcaga atcatgagcc aaataaatct
51481 tttttttttt tttttttaa cggagtctca ctgtgttgcc caggctggag tgcagtggca
51541 tgatcctggc tcaactgcaac ctctgactcc aggattcaag tgtttctcat gcttcagcct
51601 cctgagtagc tgggattaca ggtgtgcacc accaggcctt gctaattttt ttgtagagat
51661 gaggtttcac catattggcc aggctggtct tgaacccctg acatcaagtg atctgcctgc
51721 cttggcttcc caaagtgttg ggattacagg tgtgagccac catgcctggc cataaatctt
51781 tttcctttat aaataaccct gtcttaggta ttcttttaca gcagcacaaa cagactaaga
51841 aaatgactac taacatctca ttaaaagcaa tacaagacag cctatcaggg actagcatct
51901 ttaaagagtt gagttatcag cctaaaatct tacatctaga aaattatcct ttaaaaaata
51961 agtctgagat attttcagtt aataaaagtt aagatcatct gtcactttatg gataacaata
52021 taaatgtcat aaataagata ttagttaatc aaaccaaagt gcatctttaa aaaaatgacaa
52081 gccacaacca aatgggggttc ataccagtga tgcaatgata tctccatatt agacaatctg
52141 ttgttttacc atattaatgt tacaaagggtg aaaattcatc atatcatctt catggaaact
52201 atagagattt tagatatgtt ccttgagctt tcaaaaatat taacaaatca tgaaatagatc
52261 gatactttct taacaaacac acacaagttt ctaggaccac caccatgtat aagacagcca
52321 ggggaaaaaa agagaaatga aaagtaggaa aggaagaagc aactatattg atattttag
52381 attctgtgat tgtacacatg aaaaacataa aaacaagtga atttgataag atacgaagct
52441 aatatcaaaa ttcagttaat tacttatatc aaatcagaa cttaaaatga caccacttat
52501 aatagctata agattacaag aaataaatat aagaaatata taagatctat ataaggtttt
52561 caaatgctaa tgagtaacat aaaaatatta tccaaataga atggatgcc ttattcctga
52621 gctgatagat tcaatattgt aaagttcaat ttctttaaaa ttaaatacaca agtttaatgt
52681 gatctcaata aaaataccag agaaaaaaat agcaagaaaa aacaaataaa tctgaagaa agattaataa
52741 gttcagtggg aaaataaata agcaagaaaa ggaaataaaa cagttttatta ttgacaaata
52801 actgttctctg tccgtactcc aaatattata ggaaataaaa agataaatat atgttgaatg
52861 tatatcccta taaatgggca caactacaga gtataaaaaat agataaatat atgttgaatg
52921 tatactttgt gtataaataat atttgaattt cacatcacta gagaaatgat gattcattta
52981 gtagataacg gtggagtggt ttaacagcca atcaagagaa aaattaattt gaaccccacc
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53101 taataaatca tgaaaatacc agtaaaaaga ctggataatt atttttaata atatgagagt
53161 taaaaaaaca ctttctaaac actacacaaa attcagcaac tatagaaaaa gactaataaa
53221 tttgatgaca tagaaatttt ttaaaaattg catggataaa aaatacaaca tgcaaaatga
53281 gttataaatg gataaaatac ctacatattg ttagaaaata ttagaaaagg ccaataatc
53341 aaaggaaaaa tgaacaaaaa catgaaatag ttcataggaa gagacatgtg aatgaatttg
53401 gcactcttga aaaatgttct acctattca taagtgaatg gtcaactgga atttctgtac
53461 agtatccatt ttccacgaac gattaacaac aacaaaaatg tttgtgcact atttgaagga
53521 ctatattgag taataattaa tttcatgtac tattaatgac agtaaaaatca ttagtctgac
53581 caatttggag aacaatttgg cactttctat caaacatgaa aaatgcatat ttctgggaat
53641 ttattccatt tctaggaatt tattcttatt gacatattca catgtgggaa aaatgtgaac
53701 aatgatattt atgtcattat gtgtaacagc aaaagttgga agcaagctaa atggccaaat
53761 aaggaagaga ttcaataaac tgtaagatat gccttcaatg gaatactatg gagtactga
53821 aagaaaaaat agtaaggcta cttacattgt attgttgtgt tgtgttgtgt tgtattgata
53881 tgttgctgaa atatactaag taaaaaggaa agcaaatgtt agaacaatgt gtatattatg
53941 ctaccttttc agaaaaacta taaatatgta tgcacacatc tctactctta tcctttatgc
54001 agatttatgc tgccaacatt tgtaccttct ggatacagga cttgggagta gtaggaacgg
54061 gaagaaatgg gacaggctga atcttcactc tatttataaa acctttagtt ccttttgaat
54121 tatttaccgt tcatatgtat catttttaaa aatagaaaaa aaaaatgttc aaagttgaat
54181 aagcgggtag aaacatttca gtggctttcc gttgaatcca gaacaaaagt ttctttccag
54241 aggttcaggc cctccttgaa ctggctcatt cccgtttctt aaatcccacc ttgttctcc
54301 cacctcctct cactccgcag tttccaactc tattgacctt ctctcagttc cttgcacaag
54361 tcagttttgc cgctttggag cctgtgcact gcttgctttc tgccctgcaac tcttttgtcc
54421 caactctgca ttatcgggct cctctctttt cttattcttt tggcttttgt ggtcaccat
54481 tcagagagac cctccttagg catccactct aacacagagc ccgtttttct tagtcttttc

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FIGURE 1 (continued)



54541	ttgtggcacc	taattccttc	ctttcatact	caatttcttt	atctgttggc	tcttgtagtg
54601	tttttccaca	cccctcccca	ggatggtaaa	ctccttgagt	taccatttct	attttattct
54661	cttgtcgaca	cctgtaagag	taccgcagac	attgcaactg	ggttggaatg	ctaacaatctc
54721	ttgaataaat	taattcaccc	atttaagacc	aaaagtttgt	attacaagtt	agcaggaata
54781	aatgtcttac	tgattgggtat	atgggtgtaa	aaatatggcc	ctgattttca	gtatttaaaa
54841	ctctcaagat	gccaaatatt	ttctactgct	ttctaagctg	aacttccagg	cacagctggc
54901	atatgcatat	ttcttgacaa	tctccaagtt	ttgataacca	aataagaaaa	aaaaacagca
54961	cagaaaaata	taattttggc	tggtactaaa	tgggctaata	ataccagtaa	tagtatttta
55021	aaaattctaa	aaaatgtcta	attctcacaa	tagcattcta	acagtaaact	aagaggtaag
55081	ctaatatatt	caagatacag	agcaaccaca	cttgtttagg	agcactgtta	ctttgtctac
55141	attgattttgt	taaaacattg	tccgttgtca	accaatctaa	aaaggacaca	ataggctagg
55201	cacagtggct	cacacctcta	atcccagcac	tttgggaggc	ctaggtggga	ggatggcttg
55261	agcccaggag	ttcaagatca	gcctgggcaa	cacggggaga	ccccaaactct	acaaaaactt
55321	tttaaagaaa	ttagccagggt	gtcgtgggtg	gtgcctgtag	tcccaactac	tcaggaggct
55381	gaggtgggag	gattgcttga	gcccagaagt	tcaaggctgc	agcaagcctg	attgtgccac
55441	tgactccag	cctaggcagc	agagtgcagc	tctgtctaaa	aaaaataaaa	ataaaaaata
55501	aaatgaatac	aattttttaa	ataaataaaa	agaacataat	aaaatatgtc	cagaaatcaa
55561	tagtcaatat	cgtttgatta	attttgccaa	aatccaatac	acggtgtagt	tacagagctg
55621	aactttaata	atagaaccaa	tgtaacatgg	taatgctttt	catattttta	actactttcc
55681	taaatgttat	ctcatttgat	gctcactacg	aaaacacaat	agagatcatt	ttggcctgtg
55741	cttttgtaaa	attatagaat	attagacctg	aaaaatatat	aatgtcattt	acttctattc
55801	ttcattttat	agatgaggga	actgaggcca	gaaaacatga	taaagtatgt	tccatttctca
55861	cagctaatta	ggggctagaa	ccaggatctc	agtcctctct	tgggccacta	gacaattgct
55921	aactatgctt	ctgcaacacc	ttcatatcat	atgactgact	tcttaagtgt	acaaattaat
55981	tttaggattt	aatcaatta	caatatctct	ttttaaaaca	tgggaatatg	ttcatccaaa
56041	agataatcta	catccacta	cccatataga	accattattt	ttatttttgg	atattttctt
56101	cagtattttt	ctttgatttg	tatgtttcat	agaaatgtgt	gtgtgtgtgt	gtaatttttt
56161	cacctctctt	aagtacatat	ttttaaat	ttaaatggat	acacaatatt	tgtacatatt
56221	tatgcagtac	atgtgatatt	tcattacatg	catagaatgt	gtaatgatca	agttagggtg
56281	tttccatcac	ctcaagcatt	tataattttt	ttgtattggg	aactgatatg	gtttggctct
56341	gtgtcctcac	ccaaatctca	tggtgaattg	taattcccag	tggtgcggga	gggacctggg
56401	gggaggtgat	tggatcgtgg	gggcagattt	cccccttgct	gttgctgtga	tagggagtga
56461	gttctcatga	gatctgatgg	tttaaaagtg	tgtggcactt	ccctctttgc	tctctcttct
56521	gccgccatgt	gaagacgcgc	ttgcttcccc	tttgcccttc	ctctatgatt	gtaagtttcc
56581	tgaggcctcc	cagccatgct	tccagtacaa	tccgtggaac	catgagtaaa	ttaaatctct
56641	tttcttcata	aattactcag	tctcaggtag	ttcttttatag	caatgtgaga	ttggagtaac
56701	acaggaacat	tttaagttct	attttgaac	atactttttt	tttttttaca	ataacagctaa
56761	atgttttgta	aaacattttaa	aaaatgttag	tcccacacag	tcatgtaact	tcaaacagta
56821	agctcatcac	ctaataattat	tgcactctgcc	acttagaagc	tgtgtgacta	gaagctccct
56881	gggcctcagt	tttctcatct	gcaaaatagg	gataataata	gtggtaattt	tatagagctg
56941	ttataaggct	tactcagcct	cccaaagtgt	tgggattata	ggcgtgagcc	acagcagctg
57001	gcctatgtaa	tttaattata	tgctttttgc	ttaacatatt	attcttatat	ttttattatt
57061	cctgaaagtt	tttcattatt	ataatttcaa	tacttagtca	atatgctgcc	taatgaacat
57121	agtgtaat	acttatccta	tttcccattt	tggacagtga	ggttggtttc	actttttgct
57181	ctcataaata	attctgaaga	aagcattcca	tatgaatatt	attgtcaata	tactgataa
57241	tttctctagg	ataaattcca	tgaaggatga	ttacagaatc	aatgcgataa	atatttttaa
57301	cactactgac	tcatattgtc	aaaatgtttt	cttaaaatgt	tgtgacaata	tcattaaccg
57361	tgtgcagaaa	aacagttttc	aaggtcttat	cctcattaga	tgtagtcat	taaaagtaaa
57421	ttgctaaatt	aataggttaa	aatggctccc	aattgttctt	tcatttttgc	tttatttgct
57481	tattaatgag	atcaaacatc	ttgcaatttg	tttgtttgtg	gaatatcggt	taaagctcaa
57541	ttaatccgct	atgtttttta	atgacaagct	aagacactac	agatgaaaag	caatggaaaag
57601	cagagatggt	tagtgacccc	ctactacggt	gctaagtatt	tcaaataat	tgtaggtgc
57661	attaatatgc	aagttatgag	aaagagacga	agcaaaagtc	acagacttga	gtgcataata
57721	cgacaaatac	tacttcaaac	tggctcagtt	ttagaactta	agggatttta	attctttttc
57781	atagttttta	ctaaccaaaa	gctttaatga	gaaacaatta	attcaatatt	aaaaggaaat
57841	aataggtagc	atgaatagct	tttgcattgat	gggtctagag	aagtgttaag	taggtacatg
57901	tggcaattga	gtccttgaaa	tggggctggg	ctgaattgag	atgttcaaaa	atacatatgt

FIGURE 1 (continued)

57961	gatttttgagg	actcagaaca	aaaagaagag	aatgcaaagt	atatcattaa	tgatgtttat
58021	tgattatatg	ttgaaatgta	aatatatttaa	aatagtggat	tgaattaaac	ctattaaaaat
58081	taatgttacc	tatttcattt	acttgtataa	tgtgacttct	agaaaattta	taattggata
58141	tgtggctacc	attggccagc	acaggtctag	ggaattatat	gatatcagat	tttaggaagg
58201	aagttataaa	attttagttc	ttcaggaaga	gatctaaagg	agagtacaga	gagagagaga
58261	gagagagaga	atctaccaca	taactaaatt	aagtaaaggg	agtgtctacag	cactgaccat
58321	tatgaccaac	caggaggtct	ctgataaact	cagatattta	ttcataaatt	cagattacaa
58381	agagcctacc	acaaaggaca	aacaggccgg	acgcggtggc	tcacagctgt	aatcccagca
58441	ctttgggagg	ccgaggtggg	tgggtcactt	tgaggtcagg	agtttgagac	cagcctggcc
58501	aacatgctga	aaccctgtct	ctactaaaaa	tacaaaaatt	aaccaggcat	gatggcgggt
58561	gcctgtaatc	ccagctactt	gggaggctga	ggtggggaga	tcacttgaac	ctgggaggtg
58621	gaggttgtag	tgagcagaga	tcgcgccact	gcactccagc	ctgggcgaca	gagcgagact
58681	gtgtctcaaa	aacaaacaaa	caacaaaaaa	cataagtagc	tgttgtcagg	actcttacia
58741	cagaatgagg	tagaggaagc	caaagggctt	tgaaagctac	attcagagca	caaagaagag
58801	ccaaaaagga	cagacactgc	caggggaagc	tgggaaaata	ttaataataa	gaaaatcaaa
58861	ttatgcaatt	cttattttgt	ctttgtcctc	tataaagagg	aatgatcttc	aaactaga
58921	agagagatga	aatttcctca	caagaaaaac	tgaattcaag	atagaaaagc	ataactaaga
58981	gaatatcaag	ttgttagaaa	tacgttttca	tctctgactc	cagataaatt	atatttcttg
59041	gtcatgaaat	cattgatagg	ctttggcact	tgactgggtc	caaagttgga	cgaatctagc
59101	tactagacga	gttccctgag	agcatgggtc	tgatctcttt	cattcattgc	tgtattccag
59161	catctagaac	atttcctggt	atagagtaag	tgctcaataa	atatatgcag	ataaatacat
59221	gaacagagaa	cacaagagtg	gccagattaa	aacaggga	tggtctgatt	tcaaaatggg
59281	gaaaataagg	attctgactt	gtgtagatac	ccaggcaaca	tgcaaggcaag	atgtcagcgg
59341	ttaaaaaaat	tttagaatgg	attaattaaa	aaaacaatct	tccaatatgc	caggattcct
59401	ctacaatttt	acatctagtt	taaccacac	aataacacaa	ttaactgggtc	ctatacacat
59461	tttacagata	aaactgaggc	ctaagaggaa	tttaagtaac	ttgcctggga	gtgatatagc
59521	ttataagcag	aaaagctggc	atacagaatt	taactactgg	ttgtcctcag	aaaggaaatc
59581	atgggtgactc	tgaaccaacc	tgtgtacgat	aatcatgagt	atgctaaact	ctcctagttt
59641	ccttttttaa	tcaaattgct	aaattgggtg	atgccataga	taactgggtt	atgtacttaa
59701	aataaaaactc	attgagatct	ttacctgtat	ctgaatata	aaagaagttt	ctagtagaac
59761	tactctgctg	gataagacag	aagttcagag	atctaccaga	ataactatcc	gttcaccttt
59821	gcagaacttc	ataaagccca	ctaccataaa	cacagggtaa	ggggagttca	gccaggcatt
59881	tgataagggtc	ttttgtaata	atcttgcaac	taaggctaga	tgacaatcag	accaattagt
59941	agtatgtgga	accactggtc	cctattgatg	tcaaaactaa	aggaagcctc	agtcttgtgg
60001	caagggggccc	tgctcttgac	ctttttgtat	tgaaatatgt	gaccagtgc	ttggagaaaa
60061	taataatatt	cccatgttta	gctgatcaca	caattttata	ccagttccta	cacttagacg
60121	gttgatatac	tctcttcta	ctttgtggtt	gagaagcttc	ctctagtaga	agtgatgtca
60181	atggaattcc	aataagaggt	atgttctatt	tagacattta	atccatgaat	ttgtatatat
60241	acattataag	tcatctttgg	cagttcagcc	ctcagccaac	agaatctcag	tttctccatt
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60361	caagttctcc	tctgtagcca	ctgatectgt	tgctctctac	ccacagctct	ggaatatctc
60421	caaataacta	ctcttttatt	ctccatgcaa	atgaaaaatt	ccattagggt	gatgtgaggt
60481	tagttgttga	cataacttcc	tgcttcaaaa	atccttccct	ccttcccatc	atcatttgcg
60541	accccagtta	cagctctgaa	ttgtgatttc	catttgtgac	atattgcccc	cgaagagaca
60601	gaagaggaac	cttcatccgc	catccccatg	ttagaatcct	cttccctaggc	tctcagtga
60661	gttgccctcac	tcgatctcaa	gctgcccggc	atgtcacatt	ccattttattt	catttaacta
60721	agattttattt	agcttttatgc	tatgctagga	actgacaaga	aaatcattat	tacaattaaa
60781	tgagattttat	tgagtactta	ctttatgcca	gaaactgagc	taagaatgag	gaataaaaaa
60841	tgtataaaga	cacatttctt	gctctcaaaa	aatgtgaagt	ttagaaagat	ggaggtagta
60901	agtaaatcaa	cttcaattca	gggtaataga	tgctagtaga	ggcaccatgt	gtgatgctgt
60961	gagacctcaa	agaaagagtc	tctaaatcat	cctgaagagg	aagtcacatg	aggagagctc
61021	ttaagaataa	gtatgtctgg	ccttgtcaat	taaaagagag	ttgggagttc	caggcagagt
61081	gtcagcatga	atgaaggcaa	gaacgactac	tgggatgaag	tgtggggagc	tgagttcatt
61141	ttgacatggg	aaaagtgtag	aggctgggtg	cagcggctca	tacctgtaat	cccagcactt
61201	tgggaggctg	aggcaggcag	atcacctgag	gtcaggagtt	tgagaccagc	ctggctaaca
61261	tggcgaaacc	ccgtctctac	taaaaactac	aaaaattagc	caggtgtggt	ggcatgtgcc
61321	tgtaatccca	gctactcggg	aggctgagac	aggagaatca	cttgaacctg	ggaggttgca

FIGURE 1 (continued)

61381	gtgagccgag	gtcgagccac	tgcactccag	cctggacaac	agagtgagag	actgtctcaa
61441	aaaaaaaaaa	aaaaaagtaa	agaaaagaaa	aagaaaaccg	tagagcagaa	gggagatggc
61501	aggaaacaag	gtgggaaggg	taggttagat	ttgtatcata	gaatatttta	gactgtctta
61561	tgaattatgt	gggagccaag	gaaggggttt	aagctgaggt	atggcaggat	ctgatttgca
61621	tttcagaggg	atcacttggt	gcagccataa	tgaattaaga	tggtagagaa	cagacaagag
61681	gaaggacgga	ctgttaaagt	gatgggtagt	catagaaaca	aaaagtgggt	agggctctgag
61741	ctggccccgt	aaaacagatg	ggtttgaaag	ctatttagga	ggtaaaatgg	aaagaatgtc
61801	atagaaattt	agatttgggg	gtgaggaaga	gggaggaggt	ataagggaac	ctgggtttct
61861	ggcttgacc	agttggctgg	acgtgggtgt	cacatgcagg	ctactgccta	aaagcatagg
61921	tgactaggag	aatgctattg	gcctcaatgt	tggaaatgtt	gagtttgaga	tgctagttaa
61981	gcacacagag	gatgcatatt	agtcagtggc	ctgaacttac	aactccagaa	gagcaggctg
62041	ggctagagac	catagtctct	atatggctgt	tacatatgga	cgtctttata	tggtatatcat
62101	cagtatatca	tggctgaaaa	ccaggggtctt	gatgaagtca	cccagggaga	tggtataaga
62161	tgaacagcat	agagaactaa	gaataaaaacc	atagaaaaaa	gttcatttgtt	ggtcttttgtt
62221	gtcttatttg	gttttggtta	aatggggaat	cttgagatc	ttttaaatgc	tgacagaaaa
62281	gttaaaggag	aaaatttgaa	gatgcaaaga	gaacatataa	gtaataattt	tcctgggagc
62341	agaagggtatt	tatttattca	ttcattcatt	caataagtac	tgagtgcctc	tagcaggctg
62401	ggaataaaaag	gccccctccc	tcattgcagct	tacattgtag	tggttaaggag	agccccatag
62461	gaaataaata	aatgataggg	tgtgttagaa	ggtgacaggt	gctacagggg	aaaacaaggc
62521	tgcataataa	ggatgagagt	gctggtggag	agcacagtac	atgtgagatt	taaatagtga
62581	ttaagggaaga	atttcctgag	gaggcaacaa	cagttcaaag	gcaatgaaag	agagaaccat
62641	gcagatctcc	ggggaaagaa	cgcttctggg	gcaatctgct	ttattcagtg	tctactgatt
62701	aaatgttaat	ctcatctaaa	aaaaatacct	tcacggaagt	atctagaata	ctgtttgacc
62761	aaatatctgg	gcctagtgtg	caaataaaat	taaccatcac	agaggccaac	gacagacgca
62821	agaagaccaa	ttaagaagct	ctcgtgttaa	cacagtggag	aggtgttggt	ggcttgagcc
62881	aggatgtcac	aatggaggca	gtgagaaatg	gtcaaagcct	ggatgtcttt	ggaggcagca
62941	gtcactgtgc	caggagtcca	aagatgacaa	gaaatgattc	ctgtggtcaa	ggctcttaca
63001	gtctgtaaaca	gttattaaaa	ccataattgc	ttatttgttc	atggcatctt	cattaccttg
63061	attatacctt	cctgggtcaa	atcatattta	acatctattc	caacagaatg	gcattggaac
63121	ctaccagaag	acaggacacc	agtcactaca	caggactgat	gcatacttat	tcagtctcag
63181	gtatgtcttt	atagcaatgt	gagaacggac	taatccctgc	cttttcattg	taatgactgt
63241	caatcctttt	tttttttttt	ttttgagatg	ttgttttgct	cttgctgccc	aggctggagg
63301	acaatggcgt	gatctcggct	taccgcaacc	tcacacctcc	aggttcaggt	gattctcctg
63361	cctcagcctc	cggagtagct	gggattacag	gtgccacca	ccatgcccg	ctaattttgt
63421	atttttagta	gagatgggtt	ttctccatgt	tgccggggcc	agtctcaaac	tcctgacctc
63481	aggatgatctg	cccacctcgg	cctcctaaag	tctgggatta	caggcataag	ccactgtcaa
63541	tcaattttta	aaaacaaaaca	ttttcttctc	tgtacctagt	atgagacaat	ttgagtgtac
63601	tatgtcaggt	atttgagtgg	aatatataaa	atctatatgt	tgtacaagtg	gaaaacataa
63661	aagctatatg	ttgtgcacat	ccagcccttc	tcgtagaatg	tctagtacag	agcctaacct
63721	ttgcttacct	aaatcagggg	tgtgctggtc	tcatcaccat	tcccaggaag	ctgggtgctg
63781	ccctgtctgt	gggtggggcac	agaaacccat	ttaccttcag	tattcagata	gtagagaaga
63841	tggaccaagt	tggacttggt	aatccccatt	ctgattttga	agtctaggct	tgagatgggg
63901	actaagagat	gagaaatggt	gtaaagatgg	agaccaagac	tgctggagaa	ttgagtcaaa
63961	ctgagataga	aggcaggact	tgactccaga	ggctgggctc	agacaccgga	ccagattgag
64021	gactagcaaa	tacagggcca	ggggcagaag	cagctttcta	tcagacagcc	caggagtgtg
64081	ccatgtcaat	ttactattgc	catggcaaca	cctgggaggt	acttccccct	tccatggcaa
64141	gactccaaag	ttactacccc	ttccctagaa	atttctgcat	aaactgcccc	ttaatctgta
64201	tgcaattaaa	attgcgcata	aatatgactg	caagactgcc	ctgaactgct	actatctgcc
64261	tatggggtag	ccctgctctg	caggcgagct	tatggagctg	taacactgct	gcttcaataa
64321	agctgttttc	ttctacctcc	agcttgccct	tgaattcttt	cctggggcaa	gctaagtacc
64381	cttgtggcct	aagctccact	ttggggcttg	cctgccctgc	atcaaaacca	tgctaattgt
64441	gggcaggcct	tgaaaaagcc	tagagcctgg	agtctagaag	gccattattg	gaggtagctc
64501	tcttttatgc	atcctgcaag	cacttccact	gtgcattcca	gattcattta	aagggaccca
64561	gagatatgct	tcttagactt	tccaccaaag	catctctcaa	gccaaaggga	ataaacaggt
64621	agcttcaaac	agtctgcctc	atgcctggaa	tatatgtgaa	atctttttgt	tttattttta
64681	aaattacacg	acttttgcat	tctactttgt	aatatcacca	ttgttttaat	aaccttccc
64741	cccaaattct	tgacataaaa	tgagcactgc	agaaaaatgt	ttcatattca	tttttgacct

FIGURE 1 (continued)

64801 tatgtaatcc ttggcacaca acttgaccta agtcatgcct agcccagact gagaagcatg  
64861 aacctacaga tgaatactga accattgatt gaatgtgtca tcattctttt gagacctggg  
64921 agtttacaag cctagagcag agaaggggaag ctagttagtg gccaataaat catgggtgaa  
64981 tgatataggt cttctcatgt tctattctta atctaggcat tttcaaacac atgcttttct  
65041 ttctctaaaa tcttatttct ctttatttaa aatcaaaaca ggctgggtgc aatggctcat  
65101 gcctataatc tcagcacttt gggaggctga ggtgggagaa tctgttgagc ccaggagtgt  
65161 gagacgagcc tgggcaacat ggggaaaccc cgtttctata aaaaatgcaa aaattagcta  
65221 gatgtggtgg cacacaactg tagtcccagc tacttgggag gctgaggtga gaggatcact  
65281 tgagcctggg aggtggaggg tgcagtgatc catcattgtg ccactgcact ccagcctgga  
65341 tgacaaaggg agacccatct aaaacaaaca aacaaacaaa caaacaaaac aaaacaaaac  
65401 atttttttga acatgtataa ggcacggctc gtagtattgg agaatcccag gatgaattaa  
65461 tttggattcc atactttcaa tttcggcttt ctttcttctc ttttgatcct aattctgttc tatggattgt  
65521 ttctctgata acctatttta tcttcttctc ttttgatcct aattctgttc tatggattgt  
65581 atactctcag atttattttc atcgtatttt gttttcatta agggatgctt gcaaaaaagt  
65641 tagttgggga gtgaaaaaat aactcttatg tatatccaat attaaaagt tcttttgaaa  
65701 aagttttttt ctagttaggtc ctttctaaca tgtcttttga aaacagtata ggttggtttt  
65761 atggctatgt atggggatct catgagaatg ccattaaaaat aagcttttgc tgagttggag  
65821 gataaaagga aatgggaaaa aatccaaatg catcccatta ttacaagaat ggttccctct  
65881 acatttaaga aattattttt ctgcagttca gtgatttggg aaaacatgta ttttctagtt  
65941 tcctaagaat aaaatgaatt aaaacgactt taaatactac ataggacaaa ttttaatttt  
66001 ctactgcatt ctatcataga ctcttttctt ctatatatta ttttatttat atattttttg  
66061 agacaggggc tcattctgtt gccaggctgg agtgcggtgg tgcgatcacg gctcactgca  
66121 gccttgacct cccggggctc aggtgatcct cctaccttag cctcccaagt agctgggact  
66181 ataggctaatt ttttttttct ttttggtaga gatgggggtt caccttggtg cttaggctgt  
66241 tctcaaactc ctgggctcaa ggcgatctcc tgtcttggcc tctcaaagtg ctaaaattat  
66301 aggcgggagc cactgcgcca gaccatatt ttgttatttt gagagattat tctacttcat  
66361 aatttggaat gcatttctga ttttcttgtt ggaaatggaa aaatgactat tttaggttga  
66421 atccattctt aattatcccc tgataactcg tttaggacat ttctggatta cttttctct  
66481 tctgttctct tttctctttt tttccagtc tttcatgaca gataaatgtt ggttggtata  
66541 accaaggagt tggtagatat cccaagaatg caaattcatt ttgatattaa atttaaaaac  
66601 atattccaag gaaggtaaat tcaaccacc caccctctac ctcaaacact atgggtgctg  
66661 gttcccattc tctcttctct tgacccatcc tctgtagcat gagcattagc cagtgtcag  
66721 aagagttaca gtcactagaa agctacctag aaatcagaat tccctcttct ttcattgtt  
66781 tttgaaagt tttgaaagtt aagtcacatc agggcacacc ttctgaaatc cacagtctgt aatgaatgta  
66841 aacacagaat gtgcatttgt gaactgtgac ccaaagggtt ggctttctag attccaaaaa  
66901 aggacaaaca ttttcagatg ttgaatgcac agtgatgtca gacatcatta gtgacagctc  
66961 atttctgcat tttgtggttg gactctaaac tatgttatcc cagaagaagt gtctccatct  
67021 tgccctggat ttgtggtggg aaggatctga cacagggagc gcttcgcttt acactccctg tccagaaag  
67081 tgtggcagct ggaaatgacc ttatatggta gcttcgcttt attccacagg agaatgctg  
67141 atccgtatgg aatgtggtga cttttgatgc tgataaggac attccacagg agaatgctg  
67201 ggtcggttag acgaaggatc cctgtgaacg gttacccatt aacactggct ctggtttcac  
67261 accagtgaag agtggcagtc ggcatagttt tcattagtca gacattataa cctgagtttg  
67321 gcctattttt ctttgaaaca tttggaattg tcaagccaaa atgcatttcc tatggagtga  
67381 gtgagtttgc ctctgccagc ctttccatgt gatagtttat tattatagag gtgacatggg  
67441 caccagaggt ccctggcaag ctattgtttt tctttgctaa gaacagcagg aagagacaaa  
67501 aaaaagtcct tcagaaaata atttatctag acttttgcaa ggcaatgaga aaatgaattg  
67561 ccattaggct gagcaatcta ccctgtatca ctgaggatag aaaatgtctc agaaggtcac  
67621 tcatgtctaa gaagtttcac gtggatcttg gtacaattgt ggcttaaaat gtgaagttca  
67681 ggccaggtgc agtggtcac gtctgtaatc ccagcacttt ggggggccaa ggcaagtgga  
67741 tcacctgagg tcaggagttg gagaccagcc tgaccaacat ggagaaaacc cgtctctact  
67801 taaaatacaa aaattagctg ggtgtggtgg caggcatctg taatcccagc tacttgggag  
67861 gctgaggcag gagaatcact tgaacctggg aggcggaggt tgcaagtgagc tgagtttgca  
67921 ccactgcact ccagcctggg caacagagtg aaactccatc tgaaaaaaa aaagaaaaag  
67981 tgaagttgtg aagttcaggg gttcagagaa aatcccttcc cctcataagt gaggaatgaa  
68041 gaattggaag actctgagga cacttccatg cagacagtca gatggacaca cccagtagag  
68101 tggcttttga atattgcact gtctatcata ggacacttcc cagctaccag acacagagtt  
68161 tctcttgggc tcagcccagt ttttcatctt tgtgttgcca gcaccacggc accctgcaca

FIGURE 1 (continued)

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68221 gcacatagca ggtgttcaag cttcctccct tccccgtcta tccctccctt tctccctccc
68281 tttccccgcg ttcctcaac cctcatctac ggagtgttc ttatatccca ggactgtgc
68341 ccaagcctgg tgcattgtga atttcagcaa catgcatctc ctaaatatta agaaaaaaaa
68401 tcccccgact aagaaccttt ggtttttaac ctcattctgt gctattttca gtaacttctg
68461 gtttccacac taaaaaaaaatt tgcagtcatt atttattgag catgatctac agaccaggcc
68521 tagtaatagt cacctaattc attaattcac ttacccattc acaactattt attgagtacc
68581 tattgcatgt taagtgtcgg aattacagca gtgaataaac acacaaagac tctgaaagct
68641 catgagtgtc caattacttg cattacctgt attaaaactt atattattca tgatcctcat
68701 gaagcttccg gtggggtgaa gggagagaag caatatgtaa gcaacaata aacatgtatg
68761 acatcaggag gtaatcaata acataaaaat gtaatgacac gggggcactg gagagaacta
68821 cagcaggtcc tatgaaagct gggggaaaag catgatagcc agaggggaaca accggtgcaa
68881 aggactggg gcagagagcg cctgtgtgtt cgggattgtg ttttggtgg agcagaggtg
68941 ttgaggggga agtgatcaga gatgagatca cacagctggc aggggtgatg tctcctacag
69001 tttcataagc cactctaagg acctggctct cctctgagt caaatgggaa gccagtaaaa
69061 aaatttgaac aaagcggctg ggcgcgggtg ctcattgcctg taatcccagc actttgggag
69121 gccaggcggt gtggatcttg aggtcgggat atcgagacca tctgggctaa cacggtgaaa
69181 ccccgctctc actaaaaata caaaaaatta gccaggcttg gtggcaggcg cctgtagtcc
69241 cagctacttg ggaggctgaa gcaggagaac ggcgtgaacc cgggaggcag agcttgcagg
69301 gagccgagat tgcgccactg cactccagcc tgggtgacag agcaagactc catctcaaaa
69361 aaaaaaaaaa tttgaacaaa gctacgtggg gcatgatcta ctgcacggtg cagtgggttaa
69421 gtccctcgggt cttgggcaag gctactatct tggaaattat cctctgtttc ttgctagtgt
69481 tgtgactgag gtttaagttac tcaacttctg tgcaccttct gtgtgacaac catacctacc
69541 ccttgagtgc ttataagggt tatataaatt aatatttgta aagtacatat ttgttaagtg
69601 taaaaaatga atggattttt aaaaatcact taaaatgtac tagataatta tgaactgctt
69661 ttggacaatt aatcaagtga cttccctaag ggcacagatc atagatgaac aggtcaggat
69721 ccacaccag gtctatgtga cctgaaacc catattttta gcatacagcg tggcacctgc
69781 ctctttcctc tgcaatctca gctgctggag ccatcattaa ttagatagta acaggggtga
69841 ttatgggttg tattgtgtcc gccccaaaat ttatgtgtgg aagtcctaag acccggtacc
69901 tcaaaatgtg accttatatg gagacaggga aatgtaatca agttaacgag gtcattagga
69961 tgggcccata tccaatatga ctggtgtcct tgtacaaaga ggaaatttat tttgtttttt
70021 gtttttgtt tttcttggag acagagtctc gctctgtcac ccaggctgga atgcagtggc
70081 acgatctcag ctactgcaa cctccacctc ctgatttcaa ccaattctcc tgcctcagcc
70141 tcttgagtag ctgggattgc aggtgcccgc caccacacct ggctaatttt tttgtatttt
70201 agtagagaca gggtttcacc atgttgcca ggccggtctt gaactcctga actcaggcaa
70261 tctcctcctc tcagcctctc aaagtgcctg gattacaggc gtgagctaca acacccatcc
70321 aaaaggggaa atttgaacac acacacacag agaaagagag agacagagaa agagagagag
70381 aatgccacat gaggactgga gttatgttgc cacaagccaa ggaattttga gaagcttggg
70441 aagaggcctg gaatagctcc ttccctggca tcttttagagg aagcgtggcc ttccaaacac
70501 cttgatttta gatttctagg ctccagaact gtgaaataat acatttatat tgtttaagcc
70561 aaccagtctg tgggtgcttg ttatggcagt cctaggggaa cagaatgctg tctttagtta
70621 tctcaatat tttatgcact caaagaagcc tttgocaaat gtctagttaa gacacagtgc
70681 tagactcctt ccctagggaa ggcagctggg ttttgtgcag tttctatgtt gtccaaaccc
70741 tttgccccag gagtgggtga gaagctgcag caagtcactt acaatgaagg gtgattgcca
70801 gtaggagtga tcacctaggt ctctgatgtg tgctaatttc ctctgtaat taacctgtca
70861 acactgtctg ttaataaaac taggggggtg ccaacattga tcaaatacaa cacgaggaaa
70921 ttggatccta tggaaaaaat gtcacatcaa agtttcagaa gcatttaaaa aaatctgttc
70981 tgattctgct gagtttttaa gtcagacaaa tcattcctga tgagttaaga ttgctggcac
71041 ctgggtcgct tgggtaggca cctcgttttg attgccggtt gcatagtttc atttcagcct
71101 aagatcttaa ttcctgcaaa tgatttcctt agcatatatg atgaaaagta atgtgcctgc
71161 tgaagatgga ttttaaccata tttagctatt ggaaagacct tgtcagggaa catctttatt
71221 cattttttta atgtttgtat agtggcatat gaatgttcaa taaatataat tttcatgac
71281 acacaatatt ttctcttaac cttgatctct tctcctagat tatttaaatt cctatgtta
71341 ataatagaaa aaaaggacct ataattgcta ttgaattcct gcagtttaca cactgtgcta
71401 gaaataacct tcaaatttcc ctgtaactgc tgtgaaacag cctcagaagc cagcggggcc
71461 accagcagaa ggtctgatac cttctacctc acaattaatc tagatttggc ggggcatggt
71521 ggctcacacc tgtaaatccg agaactttgg gaggccaggg caaggggctt actttagtcc
71581 aggagtctta gaccagcctg ggcaatacag caagaacagt ctctacaaaa taataataat

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FIGURE 1 (continued)

71641	aataataata	attagccagg	tgtggcggtg	catgaccgtg	gtctcagctt	ctctggaggg
71701	tgaggttggg	ggattgtttg	agccccagg	ggcgaaggct	gcagtgaagt	gtgatcacac
71761	cactgcactc	cagcctgaga	ctctgtctca	aaaaaaaaaa	aaaaaaaaat	agatttatgg
71821	atcatggatg	tgaagaatc	agaccttgct	ttgaattcag	ctgtgtcact	cactatacca
71881	gtttcagaaa	taccttctga	gggccaatgct	ccctaaaaat	aatttttaata	aagagtatat
71941	acagtttact	tcttaaaaag	caattttatta	tctgaaaagaa	ggaaagttca	tagtgattat
72001	tctggtcaat	gcttcattca	tgttgatatt	tccatagata	atagtagtta	atttttggta
72061	gttggtgatt	tacatgtttc	attaacttag	ctacatgcct	tgtagcacct	aacacctcac
72121	cctttttgag	caattttctca	ggaaaagatt	ggtgatgact	ttgttttgta	cagctgactc
72181	atcaccccaa	actcgccctg	tgatgagccc	tgggaaccct	tgcaaccctg	atgacagcag
72241	tcaggaagta	tatgcagtta	agcaattccc	atagaaggga	agtgaagcag	tgggtcacct
72301	gatactggag	tctcataacc	agactcgcca	agtaggaagg	aagcctcctt	gcaggggcgg
72361	tccaccacag	tatgagcggc	cacagaaaaa	gttaccctga	gtgttccgtg	ctgcaccgcg
72421	tcacccagcc	ccacattcat	atgttgaagt	cccaaaccct	agtacttcag	agtatgatcg
72481	tatttgagag	tgagtcttta	aagagataat	tcagttaaaa	tgggatcctg	ggagtgggct
72541	ctaattccagt	ttaaatggcg	tccttagaag	aagaggagag	ggggacacag	acacacacag
72601	agggaatccc	atgtgaggac	atagggagaa	ggtgccatct	accagccaag	gaggaggcgt
72661	tcagaatgaa	ccagctctgc	tgacacctga	tctcagactc	ctccaaaaaca	gtgagaaaat
72721	aaacttctgt	ggcctaaggt	gcaccatctg	tgatgtttgt	tactgaagcc	ctatctgact
72781	aatacagtgg	gtgttgcggt	tatgcaacct	tttcccttcat	agaatgcaga	gggattaatc
72841	tctactttct	tgctgttttt	ccctcagcat	tagccactct	ggcctcctcg	ctgtttctgca
72901	cacgtgccat	tccctctgcc	tagaacatat	ttctttcaga	taccttctctg	gctccttctt
72961	ttggttgctt	taagtctgct	ggcatcttgc	cttctcggca	ggtctcctct	ggccacttat
73021	tcaaaattac	aaaccatcca	cctcctacca	tccccagca	ctcttttatcc	tccttggttt
73081	taaaattttt	ctctatatca	caaggtcagg	agatcgagac	catcctggct	aacacgggtga
73141	aacctgtctt	ctactaaaaa	tgtaaaaaat	tagcctgggtg	tgggtggcagg	agcctgtaat
73201	cccagctact	tgggaggctg	aggcaggaga	atggcgtgaa	cccgggaggc	ggagcttgca
73261	gtgagtcag	atagcacccg	tgactctcag	cctgggcgac	agaatgagac	tccgtctcaa
73321	aaaaacaaaa	aatttttttct	tctagagggc	ttatcacctc	ccagcacctc	atataatgta
73381	cttatttttaa	cattttaatct	cttcattaga	atgtaagctc	catgaaggca	gaaattttttg
73441	tctgttttat	tactgatata	atgccccaca	gtagggatag	tacaggacat	gtagtaggaa
73501	ctcaagaagt	atttggtttaa	tgaataatatt	aataataatc	atcataatac	ttaatgtgaa
73561	ttgagcaata	tgtgccagat	actaagtgct	ttacgtgtat	tgggttcatta	tacatgcata
73621	gatacactta	atgtagtata	gcttaattaa	ttatgttaat	taatatatga	attacttcat
73681	ggttaaaaata	aaaatatattc	tgtgtgggtta	aaaaatgttt	gattttctttc	ctctttgtta
73741	tatattgtgg	gagtgaagga	actcctctaa	aagcagagta	ggcagtgata	aagcttgtag
73801	ggaaactttg	attcaggaca	aagaaagatt	tgtcttttca	gaaaggtggg	tatatagccg
73861	ggtgtagtgg	tgggcgcttg	taagcccagc	tactcggaga	atcgcttgaa	cctaggagat
73921	ggaggttgca	gtgaaccagg	atcgtgccac	tgactccag	tctgggcaac	agagccagac
73981	tctgtcttaa	aaaaaaaaaa	gaaaaaggag	tttatggtag	atgtgaacta	gtatttacta
74041	gttaccaatg	attcagtcct	tacctgtggg	gaggcacaaat	cccttctcca	gccaaccagg
74101	gaaggaatgg	ataaaacaat	ctgcaaggta	gaaagtgcag	aaatgaaatg	caaagactgg
74161	attacaaagc	acgttatgcc	tccgtccaaa	cactccctac	gtttctcacc	atagccttca
74221	agataagaaa	gagcttttga	ttcgtgtgta	taattttgaa	gcagataatt	tcttgaaaat
74281	attcgatttt	aatcttgggt	gcttttgtgt	tttgtgatcc	ttattgatta	cctatttcag
74341	catagttaga	gtagttttaa	gttgctaggg	tcaattataa	tgtaaaagcc	atcaataatg
74401	ctgttagatg	ttttaaaaaa	atagaaaaaa	atctagttaa	aagctatgat	ttgaaagtat
74461	aacagctgtg	aaattgctac	ctttcctcct	tctgctcatt	catcatctcc	cggcttgca
74521	tatgttggag	acagcgtctg	gggactgaat	tgaataattt	gaagggggga	aatgatacac
74581	ctttgtaaat	taaacacaac	tgccagggaag	attgatttaa	tacaacttaa	ctgaaacctc
74641	attatagatt	cagatgaagt	tcctcatcag	tctttctaca	gaaaaaaaga	agaaacagct
74701	cccaaactcg	gatgtgggtt	cccctggaat	agatctcact	ttttaagaag	ttttccttct
74761	gtggtgttaa	aaaaaatcat	tttttttttc	tgtgctgtgt	ttagaaatcc	tgaaaagtca
74821	taatgccga	taaatgaatg	ccccatttat	gagtcacatt	tacttttaca	tatatatgtg
74881	ggagactccc	tagaggtgta	tctgaagatt	actaatggaa	aatcttgatt	tattaactca
74941	ggggaagcta	catagactgt	ctccaagagt	tctgtactcc	tctctcttat	aagagtactt
75001	tgaggccggg	cgcggtggct	cacgcctgtg	atcccagcac	tttgggaggg	tgaggcgggc

FIGURE 1 (continued)

75061	ggatcacgag	gtcaggagat	tgagaccatc	ctgggctaaca	cggtgaaacc	ccgtctctac
75121	taaaaataca	aaaaaattag	ccgggcggtg	tggcaggtgc	ctgtagtccc	agctactccg
75181	gaggctgagg	caggagaatg	gcgtgaaccc	gggaggcgga	gcttgcaagt	agccgagatc
75241	gcgccactgc	actccagcct	gggtgacaga	gcgagactct	gtctcaaaaa	aaaaaaaaaa
75301	gaaaaagaaa	aaagagtact	ttgaataatt	ttccctcacc	actttccatc	atatatatat
75361	gtatatatat	atacacacac	acacaccac	acaacataaa	catagatatt	tatgtatata
75421	catacatata	tttatataaa	cacatatgta	tattcataca	tacatccatg	tgtgtgtcta
75481	tatatttagt	attgcccgat	tttgaaaact	aaaaatgatg	cattttcacc	ataaagaaat
75541	atcatgtaat	gcaggaaaga	gcaaagaaga	aactaacaaa	tcccacaaaa	tcacatctcc
75601	ccaaggaaaa	aaaattagtt	tgggccatgg	tgaacatcat	tctagatgtc	actttaagcc
75661	tatattgcaa	agtaaaatgc	tttcaggagt	caagaggaac	ttccgtggtt	gagactgatg
75721	tgaggagact	cattcaatcc	tctcagtcta	ccttgagcct	ttccacatgg	tatggagaaa
75781	tatttctgta	ccctaaaaaa	aatttttttt	aaactacagg	gcaagcaaga	tgatatatag
75841	caaccaatgc	tttccttggt	gggagaacaa	taagagtgat	ggcacctctg	gcaaactgaa
75901	gaagacatgc	cccgctccga	gggcacaggt	atttctcagg	taaagttagt	gattgccaag
75961	tggcaatgtg	gtcccagtgt	tgtcagaact	tctgttctgc	tagaagttag	acatttgact
76021	tcgtactaga	aacttttctaa	tttataaaata	ttttctcaaa	attgttttaa	gactctatgt
76081	ggtggctcac	ccttttaatc	ccagcacttt	gggaggccaa	ggcaagagga	ttgcatgagc
76141	tcgggagctc	aagaccagcc	tgtgcaacat	agtgaagatt	catctctaca	aaaaatacaa
76201	aaattatcca	gtggtggtgg	tgcagtagcc	tgtatccagc	tactcaggag	gctgaggtgg
76261	gaggatggct	tgagcccaag	aggtggaggt	tgcagtgagc	caagattgtc	ccactgcact
76321	ccagcctggg	tgacagagcc	agactttctc	tctaaaaaaa	aaaaaaaaaa	aaaaaattgt
76381	ttaaaagtgc	tgcaacgtag	cctactcact	gctatttggt	agggacagtt	agataaatgg
76441	atgggtagaa	agatctatag	ataaataacc	agcaagtcaa	atgattatgt	aaaaataaag
76501	taattctata	gaagctactt	acttttttaa	aatcacataa	gatctatata	taaataacca
76561	gcaagtcaaa	tgattgttta	aaaataaaat	aattctatag	aagctactta	cttttaaaaa
76621	aaaatcacaa	ttttacttaa	acttgataga	agaaaaacag	gccaggtgtg	gtggctcacg
76681	cctgtaatcc	cagcactttg	ggaggccaag	gcgggcagat	cacgaggtca	gggatcagag
76741	accatcctgg	ctaacatgct	gaaaccccat	ctctaactaca	aatacaaaaa	attaccaggt
76801	gtggtggcac	gtgcctgtag	tcccagctac	tcaggaggct	gaggcaggag	agtcacttga
76861	acctgggagg	cagaggttgc	agtgaagctg	gattgcacca	ctgcactcct	gcctgggtga
76921	caaagcaaga	ctctgtctca	aaaaaaaaaa	aaaaaaaaga	agaaaaagaa	actgacatta
76981	aactgaaaga	gttgctaaac	ttcattaagc	atttcttcac	catcaaagag	tcttctaaac
77041	ttaagaaaat	tattgtggaa	aacattatga	gattggagac	ttaattatta	caataaatga
77101	tcaactgtatt	tttaactaca	ggtatatgct	ttagtttaag	actatacaga	ttgacttcct
77161	acttttagaa	gatttctact	ccttaaataa	tttttccttg	gtttgtccca	agactatctt
77221	atcagcctta	gtccactttt	ctcagaattg	tagggaatta	tgagaatctc	ataatgtgaa
77281	gtggtcttcc	ttccttagta	cttcttcagg	aggcggaacc	atagcacttc	tgaactctct
77341	gtttcttttc	atagactgta	ctctttgatg	tttatggaa	aatgctatgc	cctttcctta
77401	tttggttggt	gctagagaat	tttttgcat	cttaaaaaacc	acttttcagc	cagggtgcagt
77461	ggctcatgcc	tgtaatccca	gcactttggg	aggctgaggt	gggaggactg	cttgagctca
77521	ggagttagag	accagcctag	cagatccccg	tctctacaaa	aaatataaaa	attagccagg
77581	tgtggcggtg	tgtgcctgta	atcccagcta	cttgggaggc	tgaggtggga	ggattacttg
77641	ggcccagggt	gtcaaggctg	cagtgaagctg	tgattgtgcc	actgccctcc	agcctgggtg
77701	acagagttag	aacctgtctc	aaataaataa	agaaattaaa	taaaacaatt	tttcatatag
77761	aggtatcaaa	gcaagtgggt	tttataatcc	tacaagattt	tgctgtatgt	atctagaaac
77821	ttttctcaac	tatcttttaa	gctagtgtaa	tattttacca	gaaactgtta	tatgcaatca
77881	atatttatca	taccagatag	tgtgactcat	aaagtttatt	ttcaagcact	tgtgggtgta
77941	tcattaatat	agcaatcata	tactatccta	tatcatgcgg	ctgtaattac	atgtctgcat
78001	agccatatat	actatatatc	aatttcctgg	gttattcgac	agtgggtgcc	ccagttacgt
78061	ttttaaaatt	taatgtatgt	tacgactaaa	atagatctta	tagatcagtc	aactctcatc
78121	ttacagatga	tgcaattgaa	gctcagagat	caatttgaaa	agcttttaag	tccttcaagg
78181	gactggaaat	cactcaagct	ttttgtaccc	tcactccttt	tttcatctct	ggtgtgtaga
78241	accacacctt	gtgtgattac	agatagatca	agcccaataa	gaaatctgct	gccctaaact
78301	ccagtattga	gaggctgctg	gcggtgaagt	aagaggcttt	ccacattttc	aaaccaacct
78361	tcctgcccac	gacttcataa	gcctatggat	gctgcttacc	tgtgtgttaa	ggtgtggtag
78421	gtgccggcct	tcattggtcgg	tgaaaatgtg	tctgtattag	tccgttttca	tgctgctgat

FIGURE 1 (continued)

78481	aaagacaaaag	ctgagactgc	acaattttaca	aaagaaagaa	gtttaattgg	aaaattaaac
78541	ttttccaatt	gtggcgggga	aacctcacaa	tcatggcaga	aggcaagcag	gagcaagtca
78601	cgtcttacat	gaatggcatc	aggcaaagaa	agtgaagctt	tgcaggggaa	ctcctctttt
78661	taaaaccatc	ggatctcatg	agactatcac	gagaaaagca	tgggaaagac	ttgcccccat
78721	gattcaatta	cctcccactg	ggtccctccc	acaacacatg	ggaattcaag	atgagatttg
78781	ggtgggggga	cacagccaaa	ccatatcagt	atctatctcc	agattttgta	gtaaaatata
78841	gattcagggg	atagagcttc	agaaacaaa	taccccttga	tttacaacta	cctatttttt
78901	tttttttttt	ttttgagaca	gggtctcact	ctctcatcca	ggctagagtg	cagtggcatg
78961	atcatagctc	actgcagcct	caacctccta	ggctcaaaca	atcctcccac	ctcagcctct
79021	caagtagctt	ggactacagg	cacatgccac	catgtccggc	taatttttgt	gttttttgta
79081	gagaaggggt	ttcaccatgt	tgcccaggca	tcttaaaact	ttggactcta	gtgatccacc
79141	caactcagcc	tcccaaattg	caggtattac	gggtataagc	caccataccc	agccgtgact
79201	acctgattaa	gagaatttcc	caatctagaa	agctttatca	ccatttggag	atcagaagtc
79261	tggatgaaa	aaaagaacta	ccttatttat	ccctctgagc	attttatttt	atataatag
79321	cttttttaaa	tatatatttg	ccagatgctc	cctcctgcac	caacccctcc	tcgccaccaa
79381	cacacataca	tgctcttggt	tgtgggattt	gttgttgctg	ttgttggtgt	ttggcttttg
79441	gcttttgtaa	aaataggtgc	tgtgggtcagt	acaaataatc	cagtgggtctt	tcactcatca
79501	cattgactcc	tcactctcca	ttcaagatgc	tttcatctga	cattttaaatt	tgtaggcata
79561	agcatcccag	cactttggga	ggctgaggcg	agcagatcac	gaggtcagga	gatcgagacc
79621	atcctggcta	acatggtgaa	accccgctcg	tactaaaaat	aatacaaaaa	attagcctgg
79681	cctggtgatg	ggcacctgta	gtcccagcta	ctcaggaggc	tgaggcagga	gaatggtgtg
79741	aaccacaggag	gcggagcttg	cagtgaacca	agatcatgcc	actgcacact	ccagcctggg
79801	tgacagagcg	agactctgtc	tcaaaaaaaaa	aaaaaaaaaaa	aaatcgtagg	cataagcatg
79861	caggtgacag	tcagccgtac	catcacatcc	acatgtaact	atttccctca	tgggaagtaa
79921	ataactttct	agtttttact	aaaggacaca	atgggtccat	agatgtgtgt	gtctgtgtgt
79981	gtgtctgtgt	gtgtgtggaa	caatgttcaa	ccaacccttg	atactttaca	ctgaagaaaa
80041	attaaaaaga	gacctagaat	gaagaggatt	atcaataatt	tattgaagaa	attctgttca
80101	ttttgataaa	cattcattgt	caattttatt	tacattagga	atagtgtctat	acttctagcc
80161	ctgttactca	catccttcag	catctacata	aattatccat	ccaaaaccct	ggcttcccag
80221	ttcccagacc	ccttttatgcc	cactcatttt	tttctccacc	acacctttgc	tatatattct
80281	caaggctttt	caatatctgt	aactacacca	cctcagcaat	ccccatttta	agtgcctgtg
80341	ctctgattac	agcctccagg	ctttccctaa	tatgcccact	ccaacactat	cttgacttcc
80401	cagatactgc	caatccattg	gcattatttt	aaaacatcat	tattattttg	aaatatgtca
80461	agaatcattt	cacacataca	aacaatataa	agaataacac	agcagtcata	tatctactat
80521	ctaactatag	atataaaaata	ttaccaagag	cattaaaccc	cattacatag	ccttcccaac
80581	tacatcccct	agataaactac	tatctaaact	ttgtattaat	aactaccatt	ctcactcatt
80641	aatttttttc	ttttatctct	ctacaaaata	ctgtttcggt	ttgcatgctt	ttaaacttat
80701	aattactggg	atcatacaga	ctgtattcct	ttatgacttc	cttttatatt	ctcttgatgg
80761	aatgtgagag	tcgtccctgc	tggcctgcag	cactagtcca	tcattttcac	ttccacgtgt
80821	tattatacgg	tgtgaatata	ccatcattat	ttaaaacaca	tgtttctggt	gatgggcatt
80881	tggttctccc	atttgtttgt	tttcaatttc	aaacgatgct	acagtgaaca	tttttgaaca
80941	cctccctgtg	cacagataaa	tgtgtttttt	ttctggaaga	catggccatg	ccacgggcat
81001	acttattttc	atcttaactg	gtgctgtcag	attatttcct	gtgaattccc	accttttccc
81061	cttcaagcag	ctcacgtcct	tgcttctttt	cttgcccagg	ttagattccc	tgaagcatca
81121	ctaagtgatt	cctttccata	tattgtggcc	acctgacctt	ccctctttca	ctgagccttc
81181	ctagcaaagc	ccgctctttg	gcttaatcca	attcttatta	ttctgaactg	aatgtagaga
81241	ataacagagc	tctgctgact	gatccgctgc	acccatgcga	cctcatgggt	gcccttactt
81301	ctaccaggca	gtcccagctc	attccctaaa	caattctctt	tcccagacaa	ctgttcacac
81361	ctttctcctc	caacttctgt	cttcactctc	aaatgatgac	cgtttccctt	tcttttacia
81421	tactataaaa	agcaaccgga	ggagaacttt	catgtcttcc	cacctcctga	tcagtcagcc
81481	tgctgccggt	gacctctgc	cgtcccacct	gccacaaaag	gggaactgtc	ctgatccctg
81541	tctaaagcca	acctctcttc	tgaacactgg	gttccatctg	tctgacaccg	ctaaaggttt
81601	ttctactcta	attttctcca	ctgctcccat	atcactattt	cctccctttc	ttcaggatct
81661	gtcactagca	tacagacatg	ctctaataat	tcccgcttta	aaataaaaaat	gtcctatcct
81721	cctgtcttcc	acttccctcat	gtatctgctt	tgttgatgg	tgagctcatc	aagagttatc
81781	tataccgatt	gtctctattt	cctcatttct	atctgagttt	tgacacactc	agtgaaccg
81841	ccattgccaa	gccattgata	acctccatgt	taccaaatcc	aatgatcagc	tctcagttct

FIGURE 1 (continued)



81901	tatcaacttt	acagcaacag	ttgagccagc	aacctctgaa	tgttcagaga	ggctgtagct
81961	ctgttgctga	ccaattcaaa	ctggctctga	at ttgagttg	aatcctggga	g ttgagcctt
82021	gaatctgcag	ctccacctga	ttttcttcac	taggcttcca	aggcactttt	cctgttatcc
82081	tctccctgcc	tttgccctccc	cactgcggct	tcttctctgt	ttccttttct	ggatcttctt
82141	ttccttctctg	gcctctaaat	gtttgagtac	ccctaggtac	agacctcgct	tctcgatcta
82201	cagtccaccg	cctgaagctc	tcctctgccc	catagctttg	aataccatga	atatgctggg
82261	aactcccaaa	agcatatcaa	caatcccctt	taagggacac	tgatatgcac	ccctgtttat
82321	actccacatc	tttacttgga	tatcaatggg	catgcgtacc	aaacaggatt	ctaggttctt
82381	ccctcctgtt	tgtccacaaa	tagctctacc	ctccacctag	tttcccagac	cacaaacctg
82441	ggagtcaccc	ttgattcctc	tttttatctc	acatcccaca	accaatctgt	tagcgtgtct
82501	tgtcatccca	aattagcata	tgtcccctga	ctctgaccca	ttttcagaac	cttccctacc
82561	agcatcctag	tccaagccac	tttccctctc	ccaagctact	gcagcagcct	cctaaagatc
82621	tccctgcctc	cattcttgac	cctacacagc	atgcttacag	aaaatcaggc	cagtcttttc
82681	ttgtttcctt	tcatcttccg	aaatatttat	tgaggataaa	catatgttcc	gtaaggggtt
82741	caaactctaa	tgttcaactc	agtttttaca	gatgcatttg	ctttggctctg	atgttggtgt
82801	cccctcctca	aaatacatat	gttgaaacct	aaacccaaca	caatagtatt	tttttttttt
82861	tttttttgag	acagagtgtc	actctgttgc	ccacgctgga	gtgcagtggc	acagtcttgg
82921	ctcactgcag	cctccacctc	ccaggttcaa	gcaattctcc	tgcttcagcc	tctggagtat
82981	ctgggattac	aggcatgcac	cactgtgccc	atgtaatttt	tgtattttta	gtagagacgg
83041	ggtttcacca	tggtggccag	gctgggtctt	aagtcctgac	ctcaggcgat	ctgcctgcct
83101	tagcctccca	aagtgtctgg	attacaggcg	tgagccacca	agcccggccc	ccagtgaat
83161	agtattaaga	ggtgaggtct	taggggatga	ttagatcatg	agagcaaagc	cctcttgaat
83221	gagattaatg	cccttataaa	agaggttaga	cgaagcttac	ctccccctttc	actcttccac
83281	catgctagga	tacagctaga	aggctctatc	tatgaaggca	acatccatgt	ctgcccttac
83341	cagacaccta	atctgctggc	accttgatct	cgaacttcca	agacttcaga	actataagca
83401	ttacatttct	gttgtttata	aattatgcag	tccaaggcat	ttgtttatag	tgcccaaacy
83461	aatgaagaca	ttgtatgtgg	aacatctgtg	aggatataga	ccactcttag	caccccgaaa
83521	acctcaacca	tgacctctcc	cagtctataa	ctcccaaagt	taacaaatgt	gacttctatc
83581	atgatagatg	acctccactt	ttttgaactt	cgtatgaatg	gagaaatact	gaatgtattc
83641	tttcatattt	ggtttctttc	atctcttcat	taggtctgaa	aaaaatttct	tctcttgtat
83701	ttagctgtac	cttgtgattt	ttctttgctg	ttatcttcca	ttgtatgaat	ataccacaat
83761	ttatttatcc	tttgtaaagt	ttaaagaacat	ttgggtctatt	ttttagcttg	gggctattat
83821	gagtaaata	gctatgaatg	ctcttgtaca	cgatttttag	tgaacagaag	ctgttatttc
83881	tttgggggat	atttttcaaa	tttttctatt	tatttttagc	tttattttatt	tattttatta
83941	gagatggggg	tctcatttta	ttgccacgc	tggtctcaaa	ctcctggcct	caagtgatcc
84001	ttccatctct	gcctcccaa	gtgctgggat	tacaggtgtg	agccactgaa	cctggcctct
84061	ttggggggat	atttatttgc	aggagtggaa	ctgcttggtc	aaaagaatat	gtgtgggcca
84121	ggcgtggtgg	ctcacgcctg	taatcccagc	actttgggag	gttgagacag	gcgatcact
84181	tgagatcagg	agtttgagat	cagcacggcc	agcatggtga	aaccccaact	ccactaaaaa
84241	taaataaata	aataaaaaata	aaacaaagca	aaaaacaaaa	attagccagg	tgtggtggca
84301	ggtgcctgta	atcccagcta	cttgggtatg	tgagaggcag	gagaatcact	tgaacccggg
84361	gagtggagggt	ttcagtgagc	cgagatcacg	ccactgcact	ccagcctgga	tgatagagtg
84421	aaactccatc	tcaaaaaata	aaaataatta	aaaaaatttt	aaagtatatg	tgcatcagc
84481	tttagtagat	actgtcaatc	cattttccca	agtggcttta	ttgactcata	ttcccacata
84541	agatacgaag	attctgggtc	ctttacatct	tcaccaaacac	ttttatttta	gccattcttc
84601	agtgtcgtag	tcatttttta	acataaaaaat	caaagcacaa	actgtctcct	gactacaatt
84661	tcccagggtc	cctcctggca	cttctctggg	ccatccttcc	cttttcatcc	ctccccctca
84721	ttgtcctgct	ccctcactcc	attcaccagg	actgtttcca	cctctggata	ttttctctcc
84781	gttttccctaa	gcctgggtgtg	cccttttccc	agacatcgaa	gtcctttgct	ctctcatttt
84841	cttgaattcc	cttctcaaat	gatacctcct	tagagagatc	tttgccctcct	gcatgctcc
84901	tattgcaccc	tatcttttta	ctctgatttc	ccttcacagt	acttatcggt	tggtgacctt
84961	acgtcataca	cttgttttatt	tgtttattct	tggtttccct	tggtagaatg	cacactctat
85021	gaaagcagga	aagttgtctt	tcttgatcat	ctctgcata	tgggcgttca	gtgcccggca
85081	gagggcctgg	cacttagcag	gctctcagat	gtttggtaca	agagttctct	atctgagcga
85141	attctttctc	cccagcaatt	ttatcccata	acttacactt	ataatcatgt	tctcctcttt
85201	tctttcatcc	aatcttctatt	ttttttctat	tcacttctct	tctaccttct	ctttcctttc
85261	tcctactcta	tttcattatt	cataggaggc	tttgggaatta	cagagacggc	ggggcctcag

FIGURE 1 (continued)

85321	gttggatgct	gaacattaaa	gctctaaatt	gcagggcagc	aggcaagggg	aaaagcagag
85381	ctaacacttc	ttttgcaacg	ttaaaaatgc	attatgacag	gcctgggtgg	tcatgcctgt
85441	aatcccagtg	ctttgagagg	ccaaggcagg	aagattgctt	gagcgagaaa	gttcaagacc
85501	agcctgggca	acatggcaaa	accccacctc	tactaaaatt	acaaaaatta	gccgggtgtg
85561	gtggtgcata	cctgtagttt	cagctacttg	gaagctgagg	tgggaggact	acccgagcca
85621	gagagactgc	agtgagcaga	gatagcgcca	ctgactcca	gcctgggcca	cagagcgaga
85681	ctccacaccc	ctccctgcaa	aaatgcatta	tcatactcta	cactttatct	tgaatttagc
85741	tgaaggcttt	catagaaatt	ctcctctctg	tttctctatc	cctctgcctc	tttccttttc
85801	tctacacctc	caactagaca	tttcacagac	aaatctcttg	agtagagtcc	attctatgta
85861	acagcaagcc	cctcatgctg	ttggtcacaa	aaccacactg	tcagagccag	agacagctgt
85921	aaaccctgct	ctcccagatg	gagagcagcc	ggagccggga	ttttggtaga	gggagttggg
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86041	ttagtgtgca	agagggcagc	agtccagatt	tttcatggcg	ttggggctcg	gcagggctcg
86101	tagtctctat	ccaacaagca	ttagaaagaa	acagaaaata	acatatatct	gggggtgtgc
86161	ctgcctgcct	ctgtcttggt	caaacaacaa	taactggaaa	acacgactta	gccccttact
86221	tgatggaggg	agaaatttgg	aactcttctg	agatgatgaa	agaatagaac	tagataagga
86281	aagtaaaatg	ctgttctctg	tctgaaaaag	agaaatgatt	gatctgtagt	aacaccaact
86341	acaaagagta	caatccaggt	agactcctct	gacgtggcca	ccctgtcaca	gagaggggga
86401	agaacatcag	gcttattcgc	atgtgtgcaa	atggccaagc	actaatgtag	gaggactgac
86461	gggagtctat	ctatctgtgg	cttctgggta	gacacaggca	agcctaacc	tgccccggcc
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86581	gctatggata	tgctaacgat	acattttata	acaaagtttc	taagtagtgc	aattgccgag
86641	gaaaaactga	ttgatttata	caagtgtgga	tttttttttag	acatcccgtt	ccatgcctta
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86761	tttccgaggc	tgtgtctgct	ctgtgtggat	gacatgagtg	tgtgtggagt	ttatggctgt
86821	gataaaaatac	agctctggca	tttctgtgtg	ttccctatcg	aaagccacgc	tttctcggca
86881	ctgggttgcct	cccactgtag	aatctgaaaa	tctcagataa	tcacattcct	ggtgtgtttg
86941	tagctcagca	gaggaatggc	acccaatcct	gggcaaagga	atgtgaaggt	ttctggaaaa
87001	caggttttct	tccccaattt	tcaaagagag	gtttcttccg	gtccctgcct	tcgttcgagg
87061	gagcacgtga	tacttggcac	tgcaaccaca	gtcttgtgaa	cctgtgggag	cagcaccaag
87121	gaccacgaag	aggctgcccc	agggcccagg	agtcactgaa	tgactgagcc	aatctggaat
87181	tgcttctctc	tagggccctt	ttagtcacat	atcttgcttc	ttgcagaaga	aagcattaac
87241	aatgaattac	agcatattta	gtcggctatg	cgtaaataac	aacgtagacc	caaatcccc
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87421	ccttcacttt	cctgtgtgtt	ctcactgtca	aattctacct	cagggccttt	gcacacactg
87481	atgaactgaa	tctattcct	tctctgcac	tgactttaaa	agctgcttcc	taggaatggc
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87901	caatagttgg	gggcgatgat	cttggaattt	tggcctagag	ttgtttcttt	aggcctcttt
87961	agaatatgga	gctagctgta	ctcttaaatg	acgcctgtct	gcttaatttg	tctatagtgt
88021	atcctgttgt	ccataattac	aaactttgac	ccataaagca	atagtcattg	caatttgtaa
88081	ttatatattc	atttcataca	tttcctaaca	ccctgggtatc	tctaactagc	ctctgtgctc
88141	tgaacactta	acatagggta	cagtgtctgt	agctcaatat	ttattgatgg	gtaaataagt
88201	agacaattga	gcaaaaaccag	acattgcatg	taaagttaga	agaaaagaga	aagtcctgaa
88261	gttgcatctt	tgatatttaa	atcttgagtg	atttgaaaaga	agccagaagc	tgacatttac
88321	aataagttcc	caacttgctc	aattcacctg	gcaggctcat	cgctgtgata	gccaaactag
88381	aacagaggtc	cagggaatat	gaattccaac	tgttattaaa	tgcaatagca	atcttaaccg
88441	taggattttt	gtttctcaag	aaacataatt	tgtcaggaga	gatttctcag	agcctttcct
88501	gttctctcta	agagagtata	tccactctg	agatgctctc	tggtaccatg	gaactctcca
88561	tcaaaggtgc	agcctcacat	tctctcctgg	gcagttccct	gattcgactg	tcatgccac
88621	ttgactgtca	gatccatgag	ggcaagagcg	cacattgcac	aatgcctagc	acacaattaa
88681	cacttggtat	atgttggtg	aagaacaaat	gggttggtact	gcattgttatt	taatcacaaa

FIGURE 1 (continued)

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88741 ttttgaggaa tttcacacag gactaaaatt agtggttatat ttacactaat tattgagtca
88801 gatggctctt tttctggctt atttgtgtgt gcacatttta actgcatgtc ttacacatgt
88861 aaaaatattt tttttataca ggctgcagcc ttcttccatt gttgcaggct ctctcttcta
88921 ctgtgggact ttccctctc gaatgctgaa aatagcaaaa aaagtgtgtc tctcattctc
88981 tttccctca ctctttgcag ctaggcttat tccctgagcc ctctctctac ctgatgttct
89041 cgctaaatgc ttatactctc tgaggctcatc cattgtttga gttattcctg acagactctc
89101 accattataa gtattaaagg ggaggaagaa ggggctgagg agactgaagg gaaaaggggg
89161 gaaaccctc atctcagaaa accctccag aaagatcatc tctttaggaa acaaggcaaa
89221 actgcggttg gtatttctcc actgtggcca aatattttga ctcaaagtct gatgtagccc
89281 atgtttaatt ctgctctgtt tattgatgta tgtttcatga atgggaatag agtttgctgt
89341 tttactccaa tataatttat agtacatttc ttctgataca ttataggcat atatgactgg
89401 catattattt gtgcatataa ataatgtatt tcctcttctt tttttctttt tttttttttt
89461 ttccagagac agggctcac tttgtcaccc aggctggagt gcagtgggtg gatcatagct
89521 cactgcagcc ttgacctcct gggctcaagc aatcctccag cctcagcctc ctgacagctg
89581 ggactataga cgtgcatgac catgcctggc tactttttaa attttttcta cagaaggggt
89641 ctactatgt tgcccaggct tgtctggaac tctgactgc aagcaatact cctgccttga
89701 actcccaag tgtgttggt cacgcctgga attacaggtg caagctacca cactggccc
89761 tcttctctt caattactcc ttcgatgctt ataactggca ccaatgtcca agatctttac
89821 tgactccagg agccctatg agcacacaga tcattagact ctcagtttta ctccccaagt
89881 agttgggatg ccctagtctt gaaatgctct tccttgcaac cggagttgag gacctggta
89941 tcttctcatg tccttcttc tcacctctt tcttgaatac gactcccaa cacatggaca
90001 cacaagcatg tgcataata cacacacaca ctcttcaccc atccataagg tccatgctcc
90061 ccagggatcc ggaatctag aggggtgctgt cagcagcctg tctggggcca taaagcataa
90121 ctgccaaagt gcaggattga agacaaaatt ccgatgcaaa gataggagca cagataggga
90181 catacaaagg cagatggcac catagcccag gagccctaga tccctggatc cctgggtatg
90241 tgtgagcaaa ggggaaggga gtggtaacgg agaggggtgag aaactcatgc agctattttg
90301 tagtaccttc aactcaggac tcctcaacct cttaaaaacc agtttcatct taacttgggt
90361 taaccaagtt tgccttcagt aacagtaatt ttttatttaa aagttttatt atgtggtgag
90421 aatgttttaa aacttactct tagaaaattt gcagtataca atacatcatt attaatatg
90481 gtcaccatgc tatgcaatag atccctaaca cttatttctc ctgtttacct gaaagagtaa
90541 attttgaata ttctcaccct aaaaaatttg taagtaggtg aggttaatta gcatgttaat
90601 tagctttaat ttttctacaa tgtatacata tatcaaaaca tcttattgta ccttgaatt
90661 tatacaattc tttttttttt tttttttttt ttgaggtgga gtctcacctc gttgcagagg
90721 ctggaatgca gtggcaogat cttggctcac tgcaacctct gcctcctggg ttcaagcga
90781 tctcctgct cagcctccct agtagctggg attacagatg cctaccacca tgcccagcta
90841 tttttttttg tattttagta gagacagggt ttcgccatgt tggccaggct tggctcttaa
90901 ctctgaccc catgatcctc ccgctcagc ctgcagagt gctgggatta caggcgtgag
90961 ccaccacgcc tggcctgtaa tatatacaat tcttatttgt caattaaaaa taagagaata
91021 ttaaataaga attaaaacta gaaaaacatt ttattattgg cagtatttgg gtcatgcaaa
91081 agaataatg taacatatct cagtattgtc acacaatgac aacacaaata cttgtgaggc
91141 aatgaagttc acatgtcaat gctgagcccc gtatctcaag tgcccctaac ttttcatagt
91201 cacatgacat tccttttaca gaacatacaa actttcatgc tagatattga aaagaagtct
91261 aaaaatgcag ctaccagggg gaatcaacaa gttggtatga atgagcttca ggcaaggcat
91321 aaatggtggc agccagttat gagagggttg gaaggggaaa ggttcttcag gcctggggga
91381 tgaggggcag ggaaggattc atacctccta aggaggagga agaaaggggg gctagatatt
91441 aaaaaagaaa atgccccaa gttttataaga cttctccac acgtgcaccc cactaactgt
91501 ctctattcag agacatataa aaattgtgga cagaagtaact tcaaaatctg tttcgtcaca
91561 ggtgagaaa gttacagctt tgtagagact atttccaaga tggtaatatt tatatcgga
91621 atatttataa tttatggagt gcatattgag tgtcttatgc taaactctgg ggctataact
91681 cagaaaaatg agatttagag ctcaggcatg ctacagccca gaaggcagac agacaagaac
91741 ttagaaaatt ccaaaacagt ctcaaagggt gattctctta ctccagtttg atacacactt
91801 ccactgcac cttagagcctc ttcagaatta agataaaaaca tttcttggtg cagtaatttt
91861 ttttttttga ggtggagtct tgctctgtcg cccaagctgg agtgcagtgg tgtgatctca
91921 gttcactgtg acctccgct cccagggttc agtggtctcc tgctcagcc tactgagtag
91981 ctgggataac aggcattgac caccatgtca ggctaataat tttgtatttt tagtcgagac
92041 agggtttcac catgttggcc aggctggtct caaactcctg acctcaagt atctgccac
92101 ctcagcctcc caaagtgtg gaattacagg cgtgagccac cacacctggc caagtgtagt

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FIGURE 1 (continued)

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92161 gatttatttta atgcctgtct tcgctgatgt tttgttagct ccaagagaca ggacttgtgt
92221 ccatcttgtg gactgccata cactggcacc ttactctggc tggcgcttaa taaataatca
92281 ttatataagt gactgggtaa atgaatgaat gctagaaaag aggcaagcat ggcgtgctga
92341 gtggccagta accatcctgg gggtcagaga ggctttgggg aagaagtgat atttaagccg
92401 aaacctgaag gagaaatggg atttagccag gtaaagaaaag agcaacgctt caaaagccca
92461 gaggcaagag ctcttgagac agcctgaggg tactgaaaac gaaactgcat ggcagaagct
92521 tacagatgct gctctgtgca tgggctgttg tgcaaagtag aaacttctca tctcgaggtg
92581 aataaattgc agaagggcgt cccctctcta ggccaaccaa tgagaaaaaa gagacttctt
92641 ctgggatgat tgagtctctc cgctgtgcac caggaggctg aggtcagcct ctatatgagc
92701 ctttgtcggg gagccctcct gtaggatgcc accctgcacag gcatgccagc aagccttggg
92761 aggagggagg aggggtgccg gagctgagtt agatcttggg aagcaggagc tgactcaaaa
92821 acagctttta tggcactcta aggagtttga actttgctct atgggcagcg atgcactttt
92881 gaagaacttt aacctaacag tgactctctt acagaagttc gttcaacaga cttttattgt
92941 gctcctgctt atgcaagagg cacaccagta catgcggttc tgggggtaca catggtgagg
93001 aaaagagaca cgggtacctgc cctggtggaa tttacgcttt actagtgaag gaacgcatac
93061 tggggggaca gtaagagaca gaacaccgtg agagcagctt gaactagagg gagaatctgt
93121 taaacaatcc tgcaaggtca acgtggtatt ctgttttcca gataaggaaa ctgaaggtag
93181 ggagggttaa gtaacttatc caagaccacg caagttagct tcaaattgac ttggtgtgat
93241 ttcaaattcc atatccttgt actacagaga taagaacaaa atgatgaata atatgttctt
93301 aaaaaaaacc tgaaacatga atatagaaaa gatgtatcat tacatttaca cacactcaca
93361 cacacacact cacaccaca catccccttt acttctcctt ccactcacc atgcacatat
93421 accctagtga aataaaaacc gaccacactt acttttcagg aaacacagtc tggaaaatat
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93541 aattctttcc tggggaaaac cattctgtaa ttgcagacct tgtctcttaa cttagcagag
93601 cctctgacag gtggatgcc tttacagggt cccagagctg tgaaaagcca gtctgactgt
93661 ctgtttttaga actcttaagt tcaggtaagc aattttgtaa attaattgtc gttatctctc
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93781 ataaaatgcc ccctgctttc aaacacaatc agacctgct taggggagga tcgtctgtgc
93841 tttgtttgag ccttgattaa aatggagatc agaaagactc acagatgtct cttctccaaa
93901 ctcaataaac cccaggtcct cttacttttc aaataatttc cttcgttaga aaaaatgtag
93961 tcatttctct tctttgaatt atcttcttcc aatggttaatt acaattgatt tttattattc
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94081 atgagattcc tattattatt attctcattg cctaggagaa aaataggggt aggttccctgc
94141 ctgaatgagt gaatactgaa ctacattgct cttgttttat gtgtatttct gttgaaaaac
94201 aaacctctgg tcaactggcc aatacataac cttgttttat tcacatccag cggccatata
94261 accttatgta acatatatta ttgattcatt atgtattttc tctgtaaggc acatcacagc
94321 actcatgcct gaatgaagct tatctaacgc atgtattttc tctgtaaggc acatcacagc
94381 cttctggcat ttagggacac caggcagcgc tgtgctcagg ggccattttg aacagtgaag
94441 ccaccaacaa aaagcataaa aatgtgaaga acgtggtaca aaattgatgg caaaaaggac
94501 acctgtttac aggataaggg ctgaaacgag aaggcctagt gtcacctgtt ttgacctcag
94561 gtaggaacgt gtgggttggg aactcgaatt ttaccaccat ctgcatgtcc atgaatctct
94621 ctgaaagccc catgaatatt gattttgagg ttacaaataa acttaagcaa gcagggtgaat
94681 tggcaaatac ggaacttctg aataatgaga attgactgta tttgttcttc tctattaagt
94741 aacggggtct gttgcagatg gaagaaagaa aggggtgaaag atttttggag actcaggaga
94801 cttttttgaa aatgatttgc ccaaggcaca gaacaaaaac agtagttcat tggcctaagg
94861 tggagaaaata taattccttg catctccagc aatctgtctg cagttctctc cctgtgaaaa
94921 atgacttgcc ataataatac agccttggtt ctatgtaagt gtaattatat tttataaaaa
94981 aatagattta taaccaaaca ataagccgtg agattaacag cccagaactg gctgtgaact
95041 ttcagccatc taaccttggc actcctgctt ctccgcagca cttactttct gccaggagtg
95101 ggtgattgaa caccactgac cagggaagggc tcctgggagc cacatttttt gcttggcatt
95161 tttaattgta aaaaccagtg ttccaccaac actgcaattc aacgaatcaa aagtcaaact
95221 catgcttaac aggaaaagat aaaagcatca acttaaagga atgaaacaaa tttgaaaagc
95281 aatggaaaag gaaactcata tggagtgaag tccattcaag acacgtttta ttgttttcc
95341 catatgcatt tgctgccag ctttgactat taaacattat tttttcttc tactaaaact
95401 aaatagtaat ttgacttcta gattcttcca gggctgtgct ctgaacagaa gcaaaatgga
95461 aatatttcag tagcttttta gacaactatt tcaaaagcaa acacatggtt gtctgcagag
95521 ttgtagggtta aagctataaa tttattttat taaacagaga ggaattgggt aaactgaaag

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FIGURE 1 (continued)

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95581 acactataac cctgacattt tcatgaaata atattcttgt ctgatttttt ttttagtttt
95641 tactcagata tcaactcaagt tacacataaa tggtaatttt tctttataat aagcttccat
95701 ctcttgata aatttaagt gttagtgat gactgtggat aaagtcacct aacgggtgatt
95761 ttctaaggga ggtaaacctt attgtcataa tttcctgggt attacctagt aaaacaagtt
95821 tttaaaaaac caaaaaacaa tagacttaaa accataaaga ctttttttagc attcagatta
95881 aataaaagaa agggtaaaat gttgacattt tcctaagaga taccagttct tcacattttt
95941 atataatctc ttaatatgaa gcatataatg tgtatattat aattatatat tttatatttt
96001 attatataaa attataatat aatataataa agtggtttata tttataatat aatataataa
96061 agtgatatatt atattatat tataatataa tataataaag tatatgttat aattttatat
96121 aataaaatat aaaacatata attataatat acactttata tggtaaacag atcatagtct
96181 ctaccaatac atatatctga ttagatcacc atatgggaag tctgttcata ttttagtta
96241 ttgggttttt tttcaccaa gcaataaaat gtccagtatc aaataaataa gggcatatg
96301 attcccagat gacatgacca ggggtactcat aaaattcaga gaagctgagt cagatcattt
96361 caagaggaca aatgcagcgc tcccccaaat tcagtaactt gtggaatgta gcaatcttgt
96421 attttctctg agccaagcag cctgatgctg tcaaaactcat ctttcatttc ctctgcctta
96481 ccgcagtgtt agtggtttctg ttattagaag gaaaaaaatg cataaatgtc ttagttaaga
96541 tgaaattgca tctattaaaa taaagttgat cctaaatgat tctttcactc aaagtattaa
96601 tagactaaag gaaaatgttg caaactatga attagtggta tagtttatga acggtagctg
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96721 tcacatcaat gagaaaaatca acaaaatgtt cttgaaaaga cgactggcaa actttctttt
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96901 ctagaaaaca atcttagagc taatcctttg gctggatcca aagaaaaccc agcagattta
96961 agtttctctt ttttctctt tgttttctt tacaggggta tttccacaa aagcctttca
97021 gttgccttca tccaaagtta taggtcctga gtccttttca gctcttttat tctgtctcca
97081 agcctagccc ttcctagctc tgtcctccta ccttttctg atcttttcca tttgtctgt
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97381 caataataac tgcaaattgg ttgcaaagtc ttttgacaa ttcagctgc tctacctacc
97441 taaggcacta tgattattat tattataata cagatgttat tatacagagc cgagcctatg
97501 ggcaagattg ctgctgatga tgtgtgtgat gccaaactcac caagaccagc tggcatcacg
97561 ctggcatgtt gaaaataaaa aggggtgaca tctgctttac atacagagcc tcatgacctg
97621 tactcatagc tggaggcatc agtcattgca ctacgagagg aagtggtgct tgaataacct
97681 tggggttgat gtcccaagaa cacccttctt ccgctcctcc tccctgtact ccttgaactg
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98281 tctgacact aacacattat gctagatatg tatagtaagt agccaactta atcctttcaa
98341 aaccacaggg aagtgtttct tattacttca acttttaagt gaggaacgg aggcggaggt
98401 cacttagtgg tccagtcaca gacaaatggc tgggcttggg ttgacttggg agtcaagtct
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98881 ttttatcata ttcattgttt gaaggggagg attggagtat ctgcttggca agtgagtagt
98941 agtaatgtgg gccaaagtcat gttagaaggg agatctcgcc cctggtcttg ttcagtgat

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FIGURE 1 (continued)

10043715-010902

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99001 accataagtg ttcttgggta agtcacttct ttgtctctgg gtctccattt tctcattcgt
99061 agaatagggg ttggacttca ctaagaggta gatggttcta aagtacagcg caattgtatg
99121 gaaaatgtga ggcaggaacc tcagctttct cgttttcctt agaaagtctg tctgtctcag
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99361 aaatacaaaa agtaccatga aaagagggaag cactgccatg aacggtctcc ccttgaatgg
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100681 tacttcttaa cttctatcaa gtatatttct tttttttaat tattattatt ctttaggttc
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100861 ctccccccac ccacatcag gtaccgggtg gtgatgttcc ccaccctgtg tccaagtgtt
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101701 gagaatgggc atttctcatg tactcaaagg ttaatacatg gaaatcaatc tcaggcctta
101761 aaaaaggaaa acccagcggg cgcggtggct cacgcctgta atcccaccac tttgggaggc
101821 cgagggtgga ggtcacttg aggtcaggag ttcaagacca acctggccaa tatggtgaaa
101881 ccctgtctct actaaaaaca caaaaaatat ttgtcaggcc tgtggcaggc atctgtcatc
101941 ccagctactc gggaggctga ggcaagagaa tcacttgaac cggggaggca gaagttgcag
102001 tgagttgaga tggcgccact gcactccagc ctgggtgaca gggcaagact ctatctcaaa
102061 aaaaaaaaaa aaaaaaggga aacccaaaat gcagcagaaa accaatttaa gtccgtgctt
102121 ctatttcttt gtgatttggg tttcgtggga gtttgggctt gaggggatgt aggcgttctt
102181 ctggggtgtg atagcacatt tgtgccatga taaggccagt ccctgtccca gtggagtcac
102241 ttctcaagtc ctgctcatg gggaaagtga aggtctcccc tgccactct actccactc
102301 aagtggctgc agaagagggg gatattaggc accataggac aggaagagcc acagactcag
102361 tgacctctat gcaatgagga ggttggctag agcgcatthg tcagagaacc agctgtgaaa

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FIGURE 1 (continued)

102421	tgtatggagg	cggaggggaa	gcactttcca	aggttaacca	atccaaccct	tagactgcca
102481	gctgtcctcg	cttagaacca	cggctgatgc	agctgtggtt	gaagcatgga	catctagtta
102541	tcgtaggaag	agagatggag	aattcttccc	ttgcagtcaa	tttghtaagct	gatgcaagaa
102601	aaccaccatt	gtagccacaa	aatcaaaatc	aaagaggaaa	gtgaaagaat	aggacccagg
102661	caggctgtgc	aaccaagcat	ttccttttagc	tcctcttgac	caaaggcatc	ccaatttccc
102721	agtgaagatg	aattagaaat	tacatgagaa	ccatacggtg	gattattttct	ggattggtgt
102781	ataaatatat	acagcactga	cgccaattgt	ttgaaaaact	gcatgtgtta	tatcagttgg
102841	gtgagtttag	ctcttctcaa	tggatctttt	agttattgga	ataaaattcc	aacttatagc
102901	aacttcttca	gtataaatta	ggcagacttt	cagcaagtcc	tgtgaatacc	cagttcctgg
102961	cacacagtgg	gcctcattac	aagttgactg	aagaacctca	gttctgggtt	ctgtgacaat
103021	tctgggccca	gagttgtcac	agggc aaatg	agataagcag	cattgcttgg	agaatgttgc
103081	ctcaatcatt	cgtgttcctt	tctggctgtg	atgtatatta	cactctccat	agtaattgtc
103141	tgtctccata	aaccatttta	aaaatacaca	tgtaaacata	ataggattgc	taattatact
103201	tggatgttct	tggtcctttt	tctgactcta	taataaagcc	tcaaaatgct	agctaggtca
103261	tggccacctg	aaagaaatta	cattttcttg	accgccttcc	agcagatagc	gccaagtgc
103321	tacactttgg	tcaatggata	taaaca aaag	aaatgtgtaa	ggctccagga	tctatctttt
103381	aggggtaggg	gtaggccctt	ctcctgcctc	ttttctcatc	cctacctgca	ataacttaaa
103441	tatgatggct	taagctagaa	gaaccatttt	ggaccataaa	gtaaaaatcc	tctgttgaaa
103501	atagagggaa	caggcctggt	gcagtgactc	gcacctctaa	tcccagcact	ttgggaggct
103561	gaggcaggag	aattgcttga	gcccaggagt	ttgagatcag	cttgggcaac	ataggggagac
103621	ctggtctcta	caaaaaatac	aaaaatttagc	tgggcatggt	ggtgtgtgcc	tgtggtccca
103681	gctattcagg	aggctaaggc	aggagaatca	cttgagccca	gaaggcagag	gttgtagtga
103741	tctgagattg	caacatggca	cttcagcctg	ggtgtctcaa	aaacagaaaa	caaaaaacaa
103801	aaacagaaaa	ggaaaaagaa	agaaaaataga	atagcatgat	aaaaggagtg	taggttgagt
103861	gagagagagg	atttggtgga	acagaggtta	taaagtaaaa	taaaagcaaa	ggtattatgg
103921	ataaaatcca	tgttcagaca	tcatcattct	gattgcttat	aggcagaatt	ggtagaattc
103981	aggtaggcca	gatgccatga	aattttgtat	tgacaaaagag	accagcagtc	tagactgcaa
104041	aagcctttga	ccattcaata	cctaagggtga	ccacctttcc	cagacagcca	gcaggaaaggc
104101	tgtgaaagct	gtgaaggcct	taagaaaggc	gcgcacttgg	gagtattatg	agctgggaaa
104161	catttctctaa	agggagagaa	aaccacaggg	cggcagtga	tgaagaagtt	ttgccagtg
104221	agcagggtgag	agtcagctg	actctcatga	ttttgttttc	tctttctgcc	cagtgggatc
104281	tgataatatt	tagagataag	gaactattat	gtgattctca	gtttttaatt	tttctgagt
104341	ggagaaatgt	ttgtttatat	aaagtttgct	ctgttcttat	tggacttgta	ggtgtgttgt
104401	attaggtaac	ttacatttct	atttttagag	gcccctgaaa	atgagtagtt	acactcagac
104461	ctgataaaga	gcatggaata	gtacctgaaa	atcctggact	tagaaccaga	tgcattgaatt
104521	tggtggaact	ctgggattct	ttatctggga	gtacaggggt	tgagtacatt	tcaaacatgg
104581	aaataagggt	acactgagat	acatgggtgg	ccaaagggga	gacatagctg	tctttcaata
104641	tctattatcc	cttaggttct	gtgaacctga	aagaaccaag	gactataaag	agcagtgggtg
104701	tacaactccc	aggaattgtc	tttaattggga	gatcatgtgg	ctttatcttg	tctctttttt
104761	gcctcctgct	gcctggaaca	cagatgtgat	ggctgggtgt	gatcctgctg	tgtgctgagg
104821	gagatggaac	atcaaggtag	aaagcactgg	accttctaag	catgggtggg	ccattatgcc
104881	agccctggat	catttacatt	cagatgagt	tgcaaat ttt	tattccctta	aagccactta
104941	gattttgaat	tttcagtcac	tctcagctga	acccaatcct	tactgctctt	ggaagacatt
105001	tacactgtgg	gaaccttagg	atgcactttt	ttttcttttc	tttctttctt	tctttttttt
105061	ttttttattg	agatggagtc	tcaactgtgc	actcaggctg	gagtacagt	gtgtgatctt
105121	ggctcaccgc	aacctctgcc	tctgtgggtc	aagcgattct	cctgcctcag	cctcctgagt
105181	agctgttatt	acagggtgtg	acccacaccc	cggctaattt	ttgtattttt	agtagagacc
105241	gggttttggg	ttctccatgt	tggccaggct	ggtcttgaac	tcctgacctc	aggtgatctg
105301	ccgcctcag	cctcccaaag	tgctgggaag	gacacacttt	tataagcagg	catctttgga
105361	gatcttggtg	ggagagatgg	ctcaaggaga	ggaaaagagg	gaggtattag	tacaactggg
105421	tttttatagg	cccagcacta	gcttcataaa	agttatttgc	aaaaaaagta	cgggtctgtg
105481	tttttgtctg	atgaggtggc	ccattgctct	atggtaagt	gaatacataa	ttgctcacct
105541	ttgcttttgg	aaattaaatg	tatttagaat	tgaaccagc	ttatggtttt	cttctcttac
105601	tcatgttcat	agaagatgat	cctatgagta	acactttttt	tggagactca	atcattgttt
105661	ccagtctctt	gcattctcta	gtaggtgggt	tatcttcagt	aacttttgca	aattgcatca
105721	acatacttgc	ctcctacaaa	tttaaactca	ataaaccaag	gagaacaagg	gtgtgatggg
105781	gggaatttct	tttgaaagag	tcaagcccat	gctgtgcagg	ctgcacccat	ctttactgca

FIGURE 1 (continued)

105841	ttcccataaa	aggcttgggg	gaaggaagtt	aaaccataac	cccgttaggt	aataggctat
105901	gcattaatgc	aatttatctg	gaatgaggaa	ggaagagatt	cagctttgaa	agaatttcct
105961	caacagcata	ttcctctttg	ctgcaaagct	gtttcacttc	aggtgagacc	caggaagcag
106021	cctgggaatt	ccttgaccat	cgataccaaa	ggctttctgg	aggtgtgcag	tctctaggga
106081	tttgagggtg	tcgcccaca	gtcagtgtga	ttttacaacc	agttctctct	aggctaattt
106141	ctaacgcagg	gaatgagaat	ggtcatgctg	aaaagtggta	gagagatttg	actcgcctga
106201	ttgcaaggac	caggtctacc	accagtaat	tgtgtggact	agaaggtggg	ggagtgagta
106261	gtgacctctg	aagagtgtga	cctctcaagc	caactgcttg	agctccaatt	ctgcctctgc
106321	tactttgtga	ctgtgtagcc	ctgggaaagt	tattttacct	ctctgtgcct	cagtcatttc
106381	ctctataaaa	taggtctcta	tatggaccta	ccttataagg	ttgctgtgag	tggcacatgc
106441	aaatgtgttt	ataaagtata	tcccatggta	tgtggcgtaa	tttatttttt	gaggggagat
106501	agtgagggtgc	tagttacaca	ctgggatgag	gtagatcctt	gtttggatct	cagccttgct
106561	gctccctggg	taggtggcct	tggatcgctg	ctcaccttgc	caggtccctc	tggctcctcc
106621	ttggctgaac	atgctttgac	tacactgacc	tttctgtttc	tccagccctc	ctcatggcct
106681	gtatataata	tttcttcag	ttggaatgct	ctctattaac	cattatgatt	ctcatgaagg
106741	ctgtttctgt	tctccaggct	gggttcagggt	ctctgtgata	tcactcaagg	agttttgtac
106801	ctaccctcct	gagcacttag	aattatgcta	gagtattcat	ttgtataatt	acagttgact
106861	cttaggcagc	tccagggatg	ggggcaccaa	ctctccttgc	agtcaaaaaat	ccacagataa
106921	cttttgattc	cccaaaaaact	taactagtaa	taaccgcgtg	ttgaccagaa	accttagtga
106981	taacataaac	agccaattaa	cacccatttt	gtatgttata	tgtattatat	actgtattct
107041	tatgataaag	taagttaaga	aaagaaaatg	ttatttaaaa	aatcataaag	aagagaaaat
107101	atatttgcta	ttcagtaagt	ggaagtggat	catcttaaa	ggcttcatcc	gtgtgtcct
107161	cacattgagt	aaagaggagg	aggaggagga	gaggaggagg	aggaggagga	gaggaggagg
107221	aggaggggct	ggtcttgatg	tctcaggggc	ggcagagggtg	gaagagggtg	aggaggtggg
107281	aggagggcag	gagagggcag	cacactgggg	gtaactatta	ttaatgaaaa	tccttgtgca
107341	agtgatctg	cacagttcaa	cccatgttat	tcaagggtca	actgtattcc	tatctgtact
107401	caggactgtg	agttccaagc	atgggttaaca	agtcctgtgt	ctttcaacc	aatgtctata
107461	ctgggtgcctg	gctcagaggg	gacaaaacaa	atacatgaat	gctgaattaa	tacatacata
107521	cataaaatga	atgtgagaag	aatttccttt	tctgatgggt	ttataaaacta	tgagctactt
107581	gaaggcagat	tacatttcat	ctatagtatt	atccccaaaa	gcctatagtt	agcaagaaat
107641	taatgtattt	gtcatgtgga	tgagtaaact	gtaccatagt	gattcgaatt	taattcacta
107701	acataataca	ttctgatttg	aaaataaata	aaattacttt	agaaaagcct	atgttgata
107761	taacctaat	tatacaaata	ttcttttttt	atttgtcaat	tgagaaagta	tttagttact
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107881	taagacttgt	agcacagcca	ttctgataga	ttttgttctc	agaattcatt	tatcctctaa
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108001	atataattac	tatatcaaag	aaatatttta	aaaacattta	aaatatttat	ttgtttaaag
108061	caataataaa	ctcaatacaa	attaaataaa	ttaactaatt	ttaataaaat	taattatatt
108121	ttcctatgga	tcttttgccc	atgcatgatt	ttgccaggta	atgcatcaat	catttggaag
108181	atattaattc	attgagtga	tatttgacct	ttcaaagtgt	ggctatacaa	tattttgaaa
108241	aatcacattt	gttactatca	ctgatctcat	tagaaaagtc	tttgaggcat	tgggaagctg
108301	tctggtttac	acaagcaggt	acaagtttac	caaaattcaa	agttttgctt	gaagggtcaa
108361	atgttatatt	cagcaacgaa	ttaatgtttg	tattttcctt	gaagtgcag	gctctctatt
108421	tagtctcaag	aaaaagtttg	tcaaatagcc	aaggctgaat	aacaatagtt	tgagtcagtt
108481	tgtcttttag	ggaaaaaatg	cttccatgca	aaaataggct	atttcagcct	acaactcata
108541	gcaagtgtgt	aagtattaga	gtatactgta	agtgttcat	gctcacaatt	actacaaatg
108601	tcaacatggg	aaagaaggca	aataacgtct	taatatattt	taaaaaatag	ttttgatctt
108661	atgctcctgc	aaaaggatct	tagagaagcc	caggggtcca	cagaccacac	tttgagagcc
108721	gctgctctag	ggtattctaa	cattaaatta	caagactcat	tgacccacac	cagatgaaat
108781	ttacaacaat	atggctttta	attaatcaac	ttttcctgca	acttctaccc	tatcaggaac
108841	aaataagcca	agagcaaaat	gttacaaaag	attgtgataa	ctgagtttaa	gatcaatgta
108901	cgagaactgt	cttatcaata	tcaccataaa	ttattagtgt	aaagaagtca	caaaatgtct
108961	tttaaaaaat	tctaccctga	aaatatttca	gaatgtaaga	agtggcaata	attataataa
109021	gtggctacaa	actccacttt	gaatgcattt	tcagcagctt	ttttcctaaa	catttatcac
109081	gtattatttt	attttaacat	gtctctgtga	tatgggtaca	taggacttga	tatcatctct
109141	gttttagaga	tgaggaaact	gagaaaaaaa	tgactagatt	caccacccat	tgcttaggaa
109201	actggcggtg	gaactgggta	gctctcctga	tgaatatttc	aatgcctttt	cttttcacc

FIGURE 1 (continued)



109261	ctgtggaatc	acttggccag	ccagactcag	caaacacggt	tcatgtcaat	aaaaagagaa
109321	tattccaatg	agcccagtga	ctttggaaat	ccctaaagtg	gagtgttcca	agtaactgaa
109381	aacctggggg	gaaagagtga	cctctgtgag	cttttccagc	ttccacttct	gctgatgggt
109441	ggaagttcat	aggaaggaag	acattctctt	agcctgggct	atgtcccttg	ctaaatttag
109501	gattccagat	tatagaaaca	ccctcagatg	accaagccct	ccacccctga	tgttctggga
109561	gctctcattc	tgaaagaaca	aatgcatttt	tccttccctt	ttggaaccag	atagtaaact
109621	tgccaagga	gcctgccagc	cactggcctg	gtgtgagtga	gtggggtgat	tatttggaga
109681	tttaggcaga	aagtgttgaa	gggaaagagg	ctgtgggtgg	ggagggacaa	tcagctaaag
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109801	catatttact	agctgtttat	aggtaacaga	atctcctctg	tgtgtcgtca	gtgagtaatt
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109921	ttaaagaaat	tgcataatac	tctatgggtg	gtagagaaga	acagctgctt	tcctccctct
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110041	tcctcctctg	ccctttagat	tgtagcacac	gatttaaagt	gaagggtcag	ggaagtgttt
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110221	atcacttctt	aacatagctc	agaggcaatc	acttcttaac	atttgagaaa	acttgccctg
110281	gtgaaaaacc	attttccag	acagcaattt	gcctaggagt	tgcaatgaca	ttgtctttct
110341	gtgccaagaa	tatcaatcag	ttcaaaaagtc	cctctcctga	gagccactgg	caagatcctg
110401	ggcgtgcaca	cacaagcagt	atctgtaacc	ctgctgcttg	gggttagtgt	aaatgtcaag
110461	gctgtgtatt	agaattaatt	gttctgccac	tatctgctct	tcctttctct	tttctcctt
110521	ttgtataatc	gtttgccttt	tttttctctc	ctcgatcttg	ttgtttctag	ctttattgtt
110581	ctcagtttag	acttgtgagc	ctttgggatg	aaaagtgatg	taaactcttg	gagaggaaaag
110641	aaccttggtg	cataggccag	aaggccctaag	tccagtaac	actctcatcc	gttagtccag
110701	tcacatcact	aacctatctc	cacctcagtt	ttccatctca	aactggagat	aataatctgt
110761	atattgattg	ctttttgaga	cccttgtaag	aatcaattgt	tattatgtag	cactattgaa
110821	catatgtact	tactttcatt	acagtaccta	gaacaccagc	tagtgcatag	aagggtgccc
110881	ataaacattt	gttgaattga	tgactatatt	tggaatatatt	ttgtaaacta	tgaaatcact
110941	acacacatgt	ttttatgaca	tttttcatag	atgatgctac	tagcctgcag	tgctctaggc
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111181	gtgctggagg	gtgaatgtgg	gtaccttgaa	gccctgggtc	tataaatgag	taacatgttt
111241	ctgtataaca	tggaatgata	cagatgatgg	cattgagaat	cctgctggtc	tcggaaattt
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111481	gtggcgtgat	ctcagctcac	tgcaaaactc	gtctcctggg	ttcaagcgat	tctcatgcct
111541	caatctccta	agtagctggg	attacagaca	tgccgccacca	cgccgggcta	atttttgtat
111601	ttttagtaga	gatgggattt	caccatgttg	gccacgctgg	tctcaatctc	ctgacctcag
111661	gtgatccacc	tgcttttgcc	tcccaaagtg	ctgggattac	aggtgtcagc	aaccacacgc
111721	agctctaatt	gatgatttct	atttacatcc	ttcttataga	ctgagacaga	tccccctaaa
111781	attcatgtgt	tgggacccta	gcctctgtat	ttggagacag	agtctgtgag	gagatgttaa
111841	aggataaata	aagtcataag	gttagggctc	taatccaatg	aggctgggtg	ccttataaga
111901	agaaaaggag	atactagatc	tctctttctc	cctccactct	tgtcttctgc	tccacaaaagg
111961	aaatatcaat	ggatattcct	cacaagtcta	aactgagaac	agtaaagcta	gaaacaacaa
112021	gacgagggga	aagaaaaggc	aaaagattat	acaaaaggag	gaaaagagat	aggaaaagca
112081	tagtggcaga	acaattaatt	ctaatacaca	gccttgacat	ggagcaagaa	ggaggctgtc
112141	tgcaagccat	gaagagagag	ctcttaccag	gaactgaatc	ggccaccttg	gtctgaaact
112201	tctagcttct	agcttccaga	actgtgtgaa	aataaatgtc	tgtgccttaa	gctacccagc
112261	ctatgggtatt	tattatggca	ggccaagctg	actaatataa	ccctcacctc	ctctgtctca
112321	tttctgggta	gctatcctga	aattcatgat	tctgacattc	tctatatgc	aaagaacatt
112381	gaagtctatg	agcagactga	atgtatatgt	ctaaatatcc	ttgtgaacta	agcatgatgg
112441	aagagaggag	acaagaatag	ccacactcca	ctgaatgaca	agtcaaagat	tgcaatgagc
112501	aactctttta	cctggcttgc	ctgagataat	tttgatacat	tactactaagc	ttcaggagag
112561	tgaaaggggtg	taggttatgt	caattagctt	gtggactttt	tgcaaaccat	gtgattaagg
112621	ctggtgacat	tctgcatcag	gttttaacaa	aacaagggtt	ctaaagttag	tttggataca

FIGURE 1 (continued)

112681	ttgatttttc	ttacaccacc	actgttgcta	gttgggtata	ttaagtata	ttatagcata
112741	cgtgcaaagg	gaaatgatta	tttgggacag	tgaaaaaac	tgtatattca	atgtgatgat
112801	agaacaagt	tgaaggctga	gtttggcaat	tttgggtttg	atcctcaacc	tctaattttt
112861	gcaagtttgg	agccatgatc	ttctaattat	ttagcaca	tggtgaagaa	gttagacaca
112921	aatgagtcaa	agttaattcta	tcacattcat	ttttaaaactt	tagtgtttct	atgaatcatc
112981	tgaagagctt	gttaagagcc	agtgaagttt	cgggtgagcc	tcagattttg	tatttctaac
113041	aagtttcagc	tcatatcaat	gctgctggtc	catgaactgt	acttgagta	gcaaggatct
113101	agaatactgt	gtgtcagatg	gaaagatgag	acatttagtt	tttctccatg	aataaaatc
113161	gtgagattca	actgttgctt	tgttttgcaa	tactatggga	ttcctctcta	aaaattgttc
113221	aaaatctcat	gctttgaaga	actacattat	atggattgta	aaatgactta	agcaggaagt
113281	acttgacatg	aatatgtgct	taataaatat	tgattgggtg	atttctgaaa	agtagatctt
113341	cagagatgta	aggcaaatgt	cttccagtaa	tataaaatga	tacatcccta	cttaggggat
113401	ctaggatgct	atgcattgag	acaagacaaa	gtttatgggtg	tcagagccag	agagaaagca
113461	aggggtgatct	gagcccagca	acacagctcc	attgtaaata	gctgctcacc	tggggcaaac
113521	aagtgtctata	ggatatgata	aggaaggttc	atttcatcat	tttatggctg	gtacatcct
113581	ggagtgaaag	aaaggcatta	acgagtttgg	taagagctgg	caaagccaga	gtccttattt
113641	gcaaggcatg	gtaagcctat	gggtgtgtta	tcatttactt	cattgtgatt	tacgacagtc
113701	ctactgctga	ttatacctct	ctgacccctt	cagggttggt	tggaagttgt	ttagatccta
113761	cctttttctc	tccagacacc	agagactgcc	agaaccacgc	tcacctgtga	gtgaaacaag
113821	caaattccct	ggcatcaagg	ggaagttaaa	acttctattt	gaaacaactt	tttgaacact
113881	tttggcatat	gtggaaatgt	acatatcac	acacgcatat	gtatgtggat	tatgtaaggg
113941	gttataataa	agtaaaatta	agattcaaga	gcatttttga	ctttaagaaa	aatattcctg
114001	acccatgcac	tcttatgtaa	cctgatccct	cagaagcata	caagataaat	caaatttaca
114061	gagttacaaa	aaagtgttca	ctgactgctg	gaaaatatat	gatgtcatat	ttgtgtgtta
114121	tggcctaagt	tagattaaaa	agatgcactt	ttttgtattt	tgatgatttg	tccttgtttt
114181	tttctgtttt	agttagactt	gaccatggaa	ttgatactct	gtcaataaat	tctttatctt
114241	tcactgttgc	cactggtaag	aatagctaaa	ggttttgcag	gataattgcc	ttgaagaagg
114301	tatcttcaga	atccatttat	ttcaattatt	tgccaatatt	attcaaaatt	tcttgccttc
114361	ttatcactat	caatgagtag	aaattttcag	gattgctaag	agtttgttat	gctttgtggg
114421	agaaattctg	tgtaagattg	agttttgaaa	aaattccatg	ttgcataatc	tggggaaatg
114481	cctgttcatg	cctatatctg	agcaaacctt	gtaacttggt	tataaaggaa	aaaagatttg
114541	aaatttataa	tttggcaatt	aggagcacat	taactctcct	tgtctacaat	ttttatcgca
114601	ccataaaaaa	acacttttaa	gaaaaaaaat	agcattcctt	ttaaagggtt	ctttcaaaag
114661	atatcccttt	aggagatggg	agttaaataa	caaaatcaat	tactctcttt	gttgggttaag
114721	tcaaggactc	cctaagccca	aattttgagt	gcctcttggc	atctttgtat	ataacaactg
114781	gaggttatcc	acacattaat	tgcctcta	actattcaaa	tgcataatca	aatccaacaa
114841	gtcatttctg	cttaactgat	gcaacacaga	tgatgccatg	cttcttgaga	ctgaaagggt
114901	tgctaaggaa	attgcctcta	aaattatggc	aagtataaaa	taaaggacta	ttagaggaga
114961	taccacctta	gctgctgtac	ctagggatc	tgataaagga	tatatcacia	cactcattca
115021	taactgaaag	gatattaaaa	tccaaataaa	gcaaaagacc	aaagataact	taagccatac
115081	cccaaaaaagc	taatttaacta	ataagttatt	ttactgttta	acagaatgaa	gagattaatg
115141	gtagacaact	ctttagctgg	aatattggaa	agacttacac	aatgaaagca	ataagtgaca
115201	tagatcttgc	taaaaatcaa	taaagcaagt	aaagccagtt	ggcacactat	ttaacgtgaa
115261	tcaatgtgaa	tgatatctca	tcaaacttga	ggtgtcattc	agaaggaat	acttgctatt
115321	tctgtctcct	aaattttcaa	gaagacatta	caagtgtcta	aaatgagcac	actcttaggt
115381	gacctgtata	gaagtgcatt	ttatattttac	ttgtgaaacg	tgcccaaaaa	gttaaagaaa
115441	ccaataactc	atataaatcc	ttgggtttgc	aggatgtcag	attaaaaaca	agaaacagct
115501	tcctgaaaca	ctaaaactcc	ctccacttgt	aagacaacaa	aactggctga	aatcttttgc
115561	aaccgatacg	gccagctgga	gtttgcacag	aacaagcttg	ctgatgtcac	agcctggatt
115621	tccactgcac	gttttatatt	aactcctccc	caaatttgca	catgggacct	ataaggaagc
115681	acaaagggat	gactgtgcgt	gcctgagggg	ctttcagacc	tctcctttcc	tcccaccaat
115741	tacctgtctaa	tctcagaatc	cacctctcta	aaccttttct	agtaaaagta	ttgccttaaa
115801	accagcacag	agagatggat	ctgagcttga	ctcatatctc	cttgaagtc	aacttgcaat
115861	aaatagcttt	tctttctcaa	aaacttggtg	ttatattatt	ggattctaga	acattgggca
115921	gcaagttcct	tttgcttgat	agcacttttg	tataaatgtg	tatgtgtaag	gatgtaatta
115981	acagcatcct	tttaggtttc	tgcattttata	ttaggccaaa	tcgatatacc	ttttagatat
116041	tgctggactt	ggattcaatt	tgctttgttc	tccatttcat	ttactaaaat	ctgggtctaa

FIGURE 1 (continued)

116101 tgtaagagtt cttggtatat tacataaaca taaatcattg ctgctgaagt tctaatagga  
 116161 ctctgttgct acttgcagaa accagctttg aggtagtcaa ggaaagagga taaagaaaag  
 116221 aacaaaactg aggttttaat ttcatacatg atttgtgtct ttgacagtgc ttttgtttca  
 116281 tacaaaacac aaacgaaata aaaatttagg ttccatttct gtcccttgcc atgttaactg  
 116341 tccaatataa aaagaattga gcattatgaa gtagggttct gcagcttgct agataataaa  
 116401 gatattgaaa gaagggttca atttgggttg gatgccaaata gtggtgaagc atcctgcattg  
 116461 ttcacgttgg ctctccagaa ctttcaggac ttgataattc tgcaggaacg caagggtggg  
 116521 gcctgacttc tcttaagcca caccaatgcc agttaaattt gggattgaca gaaaagtaga  
 116581 gaaagaatag ttaagtttgc atgaacttca tttatgtctt ttttttcatg tgtgtattca  
 116641 tgcagtgttc actccctact cactataagc cacgtgctct gcaagatact agatatacaa  
 116701 agatgaataa atttgtcctt gaggaacaag taattataaa gttagaagat aaagataaaa  
 116761 atatccaacc tgtattgaaa aagaagaaaa agaagaagag gaagaggaga ggtagaggaa  
 116821 atcacctatg aagaaactga aatccaacta acctcagagg agttctttta aactctacat  
 116881 gccaaaagaca atgaagcaac taacagaatt ataggggaaa agtttgtgac caaactataa  
 116941 tctatgttta ttctttgtgg cgaggacctt aaaatataac cccacacact caaagggaaa  
 117001 aatgcttgaa cacatttctat agcctgccaa gattttcata aaatgaagag cttaaattga  
 117061 gttagaaaca gactcccaat gagcaatgaa attagcaatt tgaaagatgc atgcaactgt  
 117121 caaaaaaggg agagagaaga tacataatga aaaaataatc actttttcag taatatttat  
 117181 cagacccccct cctatatgct agacagcatt ctagtcaatg agattacaac agtaaaattaa  
 117241 acagacaaaa attaagcaga atgcaaagtc tgcctttata aagcctatat tctacaggag  
 117301 aatcagaaaa taacaagat acaaaaaatg catagtatga aatcacataa tacctcaagt  
 117361 cttaatagca aaaactagca tatggatata aaaggataga aaaagtgaat gaaaaaggga  
 117421 taaatatttt agcttatgta gaagaggaag aaaagacttt aatttccagg aatttacaca  
 117481 cacatgtgca cacacaaaat gtagggtaga aaaattattg cttagacaaa atagaagtca  
 117541 aagggaacag cattaaatag gacaaaaaga ataactcata ctactactac taataataaa  
 117601 agtcaacaca ttcaaagtcc atcttcttat tcttcactg actcagtttc tgccttggcc  
 117661 tctctaagtg agggatttgt cctactgccc ccaaagccag gccaaaaacc tgggcatcat  
 117721 tctttactcc tctgtccctg cgcacaccca atctaccgcc cgtgacgttt tgtttttcta  
 117781 cctcctaaat acatctcaat ccactctcctt ccctttgtgc tttctgacat tttgctcatt  
 117841 tagaacacca tcatctctta cctggccttc tacctcaacc ctctaactgg ttcccttggc  
 117901 tcctgcttgt tttcatcaaa tctactatcc atggggagct ccaaactatc tttcagtcta  
 117961 cccatctgat tataacatta ttctgtgtaa aacacctttg gcatcccat gtccagaact  
 118021 ccttaatgtc accctctgta gttaactgt tgattatctc tccaggctgg tatctcattt  
 118081 gttgcttttt atatccagcc acgtgagcat ttgcaattcc caaatactgg gtcagccgct  
 118141 ttctcacctt gaggggtgtt cctctgacct ggtaccgctt cttcttccgt ctcccttggc  
 118201 ctggccaatt cctattgagt tttagacca cttctccttg taaacctttc ctactctcc  
 118261 actctgccaa atctggtcga gttcctattc tgagtgttcc aatagaacct tgaacttccc  
 118321 ctatcatagt acctttccac ttgattataa cagcctgttg atatgtctgg agtccacacc  
 118381 agattgtaaa ccccataaag ctgtggacca tatccccagg acaaatgcaa atccagaagg  
 118441 ggtttttaata ttaaattgaga aatattattt aaaaagaagt aagaatgcaa cctaagaatt  
 118501 tggaaaagag aaaaataaag caaaagaaat catcagaagg atttgacca gattaaaaga  
 118561 aaataaatca gaaagtagaa aaattgtatt tctttgaaag aaaacatgca cataataaag  
 118621 tgcataaatc tgtagcattt tatatataat caagagaagt tgtatgcact caattgaaaa  
 118681 atttatgaga aatttatgag aaaggacaac agatatcaag gatattacaa attatgctta  
 118741 tgatttagaa taatttttaa aatggcaaat ttcctatcta aacataaatg atcaaaattg  
 118801 tcttaataat taagaaatct gaaatctcca gtaactcaga aagaatttga aaaagtactc  
 118861 aataattact tcaaaaaatg gatactaacc tgggcaactt tacagctttc acattttcaa  
 118921 gaagcaggta atttctttca gataaattgt tccgtgggat aaaacaagat gaaagaaatt  
 118981 atcaaattca ttttatgaag atgaaatgat tctgtttcaa aaagccaaat aaataacaaa  
 119041 cacaaaactc ttgaattgaa tagtaattctt atttttgaat acaactgcag aaatccttaa  
 119101 aagaattaca atttcaaaac aatagcacct tcataaatta tccaccacat ccaagtaggg  
 119161 ttattcctgg aattcaagaa tagctcaatc agagagaaat aggttagcat actacatcaa  
 119221 tggatctaaa aagaaaaaaa ttataaagct cataaagtca tttcaatgcc atttgaata  
 119281 acaattctta gaaaacttaa acacaaatgg catttattca aattgtcagt gatattctgat  
 119341 ggctaaagag tagaggtagt ctctctcatt aaaagcagga acaagaccag gaagtctaatt  
 119401 atcaccatga ctatttataa gaatgctctg aacatcagtt tgtgcttgta tttgacaaa  
 119461 gtctgccaat gtgtttttgc tttgattttg gctgtggaag tctgaagaga caaatgtctg

FIGURE 1 (continued)

119521	cttcaactgg	ctttctagcg	tccctgagat	agttcctagt	caaggatcat	gtgactat
119581	aggttaccat	cacatgtaat	cattaatgat	tgggagttcc	aatattaact	gacagaccaa
119641	tagtctaagc	cctataacat	cttcattttt	atagggtcaaa	acaattgaat	atcagctatt
119701	tcttatgact	tagtctaaaa	caaatattga	gagagagtgt	gtttgctaaa	taactttaaa
119761	gaggacagta	aatctctcta	aagatatgtt	ggaatgtctc	acaaataagc	caggttggtta
119821	caaggtagac	aataaagagg	gatctgcttc	tagtttcaac	ttttcttatt	catcctggat
119881	aagggtgctta	ggaaccactg	taaccactg	taactcctct	aaaaagctgg	cacaggaaac
119941	aagacggctt	ggccagtgc	gtagctcacg	cttgtaatcc	cagcattttg	agagcccaag
120001	gcaggaggat	catttttagct	caggagtgtg	agaccagctt	aggcaacaaa	gcgagagtcc
120061	catctctaca	gaaaaataaa	ataaaataaa	tagccagaca	tgggtggtgca	cgtctacagt
120121	cccagctact	tgggaggctg	agggcggagg	attgcttgag	cccaggaggc	cgaggctaca
120181	gtgagctatg	attgcaccac	tgcgctccag	cgtgggcaac	agagtggagc	cttgtcaaac
120241	aaaacaaaa	cgcaaaaaca	acaaaagacc	ccccgcccc	taaaacccaa	aaaagaccat
120301	taggcacctg	aactcaaaat	gtttaaaatg	tttttccctca	cctgcccacc	tctaccctcc
120361	acagtgagcc	atcaacctaa	taacaagaga	gagcaacaag	gcctggggtc	cctttgctgg
120421	agcacagtcc	caagggtgat	ccgtctgtga	cccaggtaag	catgtgtctt	cccaagaggc
120481	caaaagcatg	gaaaccaaac	tgcagacttt	ctccctatga	gctcccgcat	gcaccaagtg
120541	atgctggctg	aggttttctt	gggtctgtga	cacaacaata	tccattttga	accatccaag
120601	gtttataaaa	aacattaata	acaatataat	agaaggatag	aattagattg	tatagtagta
120661	gtaactcttg	tagaattggt	tgcatactag	tactcattgt	caaataaaat	aatcattaag
120721	aaccatattt	aatttgcagt	taattgaactt	tacttaagct	gtgactat	caggagtaat
120781	ggtcctgctt	ggaaattctt	cacattctgt	acagacgtat	taaaggcaga	atagcacatt
120841	atcacctcaa	attttcatga	ggaggtaaaa	ctaaaatcat	gtacaacaat	ctcattgaca
120901	tatcgatata	atgaagagta	tgaaaaagag	taagagaaaa	atgaggaacc	aaaaacacat
120961	ttgatgttgc	taatctaatt	tcaaaatagc	agacttaaca	aacttactct	aagaaaaata
121021	tcctatatat	ctgagctctc	aaggccagat	atatttaaaa	gcctgttgaa	atgatttatg
121081	caaactgaca	attgaagcag	ttgaagatga	aggagtattc	agattttcac	agtctgtgat
121141	gcctaggtac	aaatctcttc	tttgatgca	ttttactaga	aaaatttcct	aaattccatt
121201	ctgctgggca	caaaaagtta	ttgacaaact	aaatgtgcc	tttctgcac	ttgtgtatca
121261	gttggtggga	caagcaggac	ccaccagaag	tcctttaaat	ttaataggat	tcatgggtgag
121321	tttatgctga	atttgctaga	tttctctttt	acatgcttaa	tgagggattt	tggggatata
121381	agctaacaaa	ataatgagtc	tggctgtgga	aatatctgta	gaatggaaaa	tcagtaagaa
121441	caattacaat	caacaatgag	tacacatgat	gaaggcctca	agtgatttag	actagttaaa
121501	tatacactat	tttaatcata	gtttccagtt	gtgtttggaa	aataattatg	acacagtgtg
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121621	ttgaagacaa	actacacgga	gtataagagg	ttttggaacc	ggtttgtcat	gcttataaaa
121681	gataaggaag	cccctctcac	atgtaaaaag	gctgctcgaa	caaaataaag	cctcaatatt
121741	gtatgctgca	gataatagtc	ccagtcgtcc	cagtctagca	gggcgtatta	cccaccaact
121801	attttttcag	agaaaagtagt	ttgttctttg	caaactgctc	aagtaataat	caaactgagg
121861	agtgcataat	aattctgaca	tatttgcaca	tgaggagtgc	aaataattct	gacacgatta
121921	ctactattaa	aatactccta	tcaccctgct	ttggaagaaa	tgctgcaatt	agtatacaga
121981	cagtgtatac	taattagtat	aattgcaagc	ggagggtgag	agggaaaaatc	agaccttatt
122041	cttttatattg	aaaagctggc	tgggtgtgga	ggctcatgcc	tgtaatccca	gcaccgagag
122101	gccaaagccg	gaagatcatc	tgaggccagg	agttcgagac	cagactgggc	aacatagtga
122161	gacctccatc	tttaaaaaaa	aaaaaattag	ctgggtgtggc	ggtacatgcc	tataatccca
122221	gctactcagg	agactgagca	gggaggatgg	cttgagcctg	ggagggtcaag	gctgccagtg
122281	agctgtgatt	gcaccaccac	attccagcct	gggtttcgga	gtgagatcat	gtctcaaaaa
122341	aaaaaaaaaa	aaaaaaaaagcc	aattacattc	agtcgcaaca	tttctagatc	aaaggtttga
122401	ggacatat	tcatacaagg	atttatttaa	atgtgaaata	tactagacat	caaagtataa
122461	gtgaagggtga	aatcccaaag	cgtgattctg	aaagtattcg	gaaagcatct	cctttcaacg
122521	tgtgtgaacc	ttacattggt	gaggctgtat	cagtggaaact	gcacatcac	cattgaccaa
122581	atcttcaagg	ctagcagttt	aaaacaaagt	gtctttccct	tctttggtac	tgctagagag
122641	aaaggaaaagc	ccactgacaa	catctctatc	tctatcagca	gtgcctatct	tgatagagct
122701	agacaagaca	gctccctaac	accatgatga	aactgagcat	tcattcaaca	tcactgtgtg
122761	gcagcatggt	acccacagga	gcaatctagt	gactaacagg	gccatggaat	ttcctgtcct
122821	cagccataac	atcaaattta	aaaaattaaa	ctactaaaaa	tgtaaatgac	atttataatg
122881	atcactataa	ttcataatat	aattatgata	aattttgggt	taattatata	ttcctgtcat

FIGURE 1 (continued)

122941	ttatTTTTatg	ttgacaatac	atgggtgttgg	ctaaatatta	attcttaaca	tttggccttt
123001	ctgtatTTTct	ttaaattgta	tggtcactgt	cctTTTactt	aatagtatcc	tgaaaatact
123061	ggctaattgca	ttaaattcatg	aaatagaaat	gaagtataat	tccttaagga	gaggacataa
123121	aattaatact	atttacagat	gacacaaata	taatgctagg	aaacctataa	gcatcaactg
123181	gaatagTTTT	agaattaatg	agcattcatt	agcaacctaa	aatgTTtagca	gcatagagat
123241	ttaaagtaag	atttaaataa	ttaataatat	taaataataa	aaaataagat	ttaaataatt
123301	agaaagatta	ttataaaaaag	aaagaacttt	tactagttaa	aaaaattggc	actgtaaaga
123361	tgtaaatact	tcttaattaa	tttgtttggt	taacaaactc	ctggtcagat	ttccagcaga
123421	atTTtatttta	gagcttaaat	atcaaaatat	catctagaga	aataagtggg	taaaagtggc
123481	taattTTTTaa	aaatcaaagt	gatggaaaga	aaattaatct	ttcagataga	cactatatta
123541	caaagtaaca	ttaagttaaaa	tggtacgatt	ttactgaaag	aaaaggaaag	atagctctca
123601	aacaaaatag	atagaaatat	attacaaact	tatggagaag	ggaaggaaat	tgttgtaaat
123661	accttaagga	taatttagttc	tttagggaga	aacaatcaag	aacctcctct	ctttcatcta
123721	ccattagttg	agttaatat	taataagagc	ttctagtagt	gcctgacaca	aatatgcttt
123781	atataggtat	ttattaaata	aagaaaacaa	ataagatacc	aagataaatc	taaaaacttt
123841	aaagtaaaat	aattaaccct	atagaaataa	atactggtga	cttgagaatt	tctctacaaa
123901	aaaaggtaaa	aattgattta	tttagtacat	ttgttccatg	ccggaacaaa	aatagaaagc
123961	aaacaaacat	ctgggttaaaa	tatttcttag	caaacatggt	agacaaatat	ataaaaaact
124021	cttaaaaaaac	aataagaaaa	ttagtaagag	ttcttgTTaa	gtaaagaaca	cagacaagtg
124081	acaaaaatat	gacatttctga	tagattttatg	ataataatac	ttattcaagg	tcataccatt
124141	tttaaaaaatt	ggtgaagact	tcaaataatc	tccatgTTTT	agaatactgt	taaaattTTta
124201	aaatcaaaaag	taaggagctc	atggTTtaaaa	ggatctcata	atgaaaaatca	agcttcttgc
124261	cttctcctcc	ctactctgag	ttcaattctc	tgaaagcaag	cacttaactt	tgTTgcttct
124321	tatatTTtacc	ttcatgtctg	tgagtggtaa	acataaactg	cttttctctgt	tttatcagtt
124381	ttatacctta	gatatttgatt	tctgcagtaa	caaatgaaat	ttcagctctc	agtgcatacc
124441	ttcctctTTTT	tcccattcta	cccattgtaat	tatatcactt	tcaaactcact	gatgtcatat
124501	aaccacataa	atattgtttcc	ctgcgaaact	cactaatggt	ttacgattat	atgcctTTtta
124561	ctgtctTTTTg	ccccctgtc	cctctggagt	ttctgattgc	ctttattTTtt	ttatagcaat
124621	aattgcctTTt	atcatattgt	TTTTttcaaa	ctcttgatta	tatcaggtgt	gtagcaaat
124681	tatctcctgg	acttagacca	ctgttccata	aacctagatc	TTTTtgacc	aatcttggct
124741	acttgctctg	caaagatttg	ttgaaatgct	gtatgaaaag	agggagtggg	gagacactca
124801	aacagtgtctg	gtagagtata	aattgtttaca	accaccctag	aaagcaagtt	gtcactatat
124861	gacaaaagct	ataaacattc	aaagactttg	accctacttt	tcacttctag	aaattgcttc
124921	taagaaaaata	atcagaaatg	tcattcagat	ttgtgtgcaa	agatgataac	tgtaatgatg
124981	tttatgtgaa	aaagtggag	taacttgagt	gcccagttat	ttgtgagtcg	ttagtagatt
125041	gtggagtact	ctagattcat	taaaattcat	tggtagagca	cttttgaaat	ctgcttcagg
125101	gaaacacctc	gaagagaaaa	gtagctatct	tcaagcgact	aaaactgaag	tataataaga
125161	gaaccatgtg	attcaagcaa	gtccacaaca	gagccaacag	agtctgcttt	caaaggaatc
125221	tgcaaattga	aggatacaaa	caggtagcgt	ccgaaatctc	aagggtgga	ttaattgctg
125281	tagtgtgcct	gtgcacatgg	gcaaccctat	gtagcatgca	tgttccagat	gggtaacagg
125341	tgcttgattt	tttaatgtaa	tgatggttgt	gctgctccca	agcaatgaga	aagagggcag
125401	ctgtggatga	atgggcgtag	ggaataggta	aggatgtgaa	actgacaagg	aagggaagcg
125461	gtgttatTTaa	ataaaggctg	aatattcaca	caggggatac	agaacacttc	ccctaattgct
125521	aagggtgctga	ggaaaggctg	tgtgggagat	gagtagatgc	acgttgagaa	ttatgagggg
125581	aattacgtca	tcaggggaaa	tccaggtttc	acctgggatg	aggcggcggc	gcatgtattt
125641	aaagaacaga	ttgcaaattt	ctgagctcct	tggcagcaga	gcagggTTTT	cagaagacat
125701	atggTTtacag	ttaaagggaag	ggtcaaaaag	ggaaggatgt	gtcacagaaa	ggtcaggctg
125761	ctctcaatgg	aatggagact	tatagacatg	gagagagggg	tcgccagaat	tagtccctta
125821	gataactagg	gaggagaaat	tctgggagtt	gaggggtaca	gagcaaaggc	atcaacagaa
125881	caaattgggac	agaactggca	gccccagcat	ttcaaataaa	acttcggaat	gaactagggg
125941	agatacctcc	acaaactatt	gtttcaacta	tctcaggtac	acctaatTgc	cataggccta
126001	tcagcatttt	tgaggTTgac	ttcatgcaca	aatattTTTT	ggaaaacctg	atggctaagt
126061	aattttgaata	aacgccttga	agggaaatgaa	gtggtaggga	agatggattt	ggaaattatct
126121	gttcctTTTT	tgtaaaagca	tagatgagag	aggctttggg	gtacaccaac	aaaagacaga
126181	aaatgcagta	ttagctcaag	aaacctgggc	caggttgTTt	gccttgaggg	agcaagaggc
126241	ttgtgtggga	gccttccggg	actgtgtgaa	atcttggctg	agTTTTgagt	caaggtcgac
126301	cagatgcagg	tctggcttcc	cagagagtag	atctcactcc	cttgctgaag	cacaaatctg

FIGURE 1 (continued)

126361	ctgggagtg	cgctgacttt	ggactcgagg	aagagtgaga	gtaaattagt	aaacaaacta
126421	aaataggaaa	taaaaatgat	ttatgggttg	taagtagaca	cataaaaaatt	ttcaaggccg
126481	ggtacggcag	ctcatgcctg	taatcccagc	actttgggag	gccaaggcgg	gtggatcacc
126541	agagattagg	aggtcgaaac	cagcctgacc	aacatagtga	aacctgtct	ctactaaaaa
126601	tataaaaatt	agccgggctg	ggttgtgggc	acctgtaatc	ccagtactt	gggaggctga
126661	ggcaagagaa	tcgcttaaac	ctgggagggg	gaggttgtag	tgagccgaga	ttgcgccatt
126721	gcactccagt	ctgggtgata	aaagcaaaac	cctgtttaaa	aaaaaaaaaa	aaaaaaattc
126781	aattaaccac	ttgacagtgt	tttactctcc	cagttctcca	aatgtttatg	tttaacctag
126841	ggcacaattc	aaagtgggtg	gtgttggtga	agctgagtgt	ttacatgtgc	tttcttattt
126901	ctgggtaatt	ataaggagtc	aatgtgcaca	ttttctttag	agcaggacac	ataactgtga
126961	agacagctct	atcatcttaa	aaatatttgc	attttaaata	ttttattggc	ccaaattttg
127021	agaaatggaa	cacacagata	aaagaaaaatg	tattgaatat	tctgacagac	aaagaagatt
127081	cagggaaatct	caaatacttt	taagccagct	tgtgatctca	ttccagattt	ctaggtagct
127141	gcacttgagt	ttccaaattt	cacctgctaa	atgtacaatt	ttgggtaaat	atagggaaca
127201	ctgtccagtc	ttcaaaagca	gtagaagcaa	cttcgttgag	gagttagcat	aaaaagaatc
127261	tgttacaaaa	agtgggtgta	caaatgcaaa	tttttgatgg	agaataaaaa	ttcacccaag
127321	atctggtttt	tagcttggtt	ttcacacagg	gtactaggca	ttcacagacc	agcctcattt
127381	ttcattcctt	tgacataaac	tagccccacc	agtttggtt	tgtagagaga	cttctatctt
127441	cctaatactc	atttattgac	ttccatcatc	agagtcttca	cggaaaaaac	tttcaccacc
127501	ataaatcaac	ttggatgtta	ttgatacttg	gcctggagtt	acacaaacac	aatgagatcg
127561	tggaagagag	ggttaaatgg	attattctgg	acatctttca	tgaaaattga	ggctcctcac
127621	atttctctcc	tgtgttttct	ttttctgagt	ggcttcttaa	tttcagtatc	attttcttta
127681	tcctttctgg	ttccttggtt	aaaaaaagaa	aggaatgtgt	ttcctggaaa	ctgtctttgt
127741	caactaacct	ttgcatttta	agtatactt	ctgttgctct	gatttctaaa	gatcacgaag
127801	gtctagcttt	cctaaaactt	gtttgagttc	atgaattggt	attttgaacc	tcactgaaat
127861	gtttaaaatt	atttccattg	agaaaaaaat	ttcattctac	caatacaact	atttttatct
127921	gtaataactca	aggagttttg	ctgagtgaag	aatgaagagt	aattcctaata	ataaaattaa
127981	taggcattga	agctttcata	atagtacgaa	tattctcatt	tttcctatgg	gtaggtcttt
128041	gctcatcaag	atcccaatgg	ctctagtaag	agaagaaatc	caggcacctg	aagcagtaca
128101	gatggttagca	agggttggtg	ctaggagctt	ggagtctaag	agagagcaac	tctggcttga
128161	atcttttagct	acaataactg	tatagacatg	aaataaagtt	ccttaacctct	ctgattttca
128221	gtgttttatag	gtgactaaag	taggtatgga	aaagtgggtt	tcagataatg	gttctgaagg
128281	acagaataat	cattttttcca	aaaataatag	gagcagatat	ataagagaat	attatttgaa
128341	ttttttgttt	aaatctagta	agtgggttgg	aagggaagaa	attgaagaga	gagtgtctta
128401	gaccaggggg	gtccaatctt	ttggcttctt	tgagccacat	aggaagagga	agaattgttt
128461	tgggccacac	ataaaacaca	ctaacactaa	cgatagctga	ggagctaaaa	aaaattgcaa
128521	aaaaactcaa	tgttttaaga	aagtctatga	atttgtgttg	ggccacattc	aaagccatcc
128581	tggaccacat	gctgcccatg	ggccatgggt	tgaacaagtt	tgctctagac	agaaggcgtg
128641	gcatgaagat	attctcagag	ccagaagatg	gggagaacta	gagaagatga	actgggcagt
128701	aggaggagat	gaagaaagca	aaagatgact	aagacagtcc	tctctgccca	caaattcata
128761	atattaataa	tggatctttt	ttactagaat	ttgatatcac	aggtcacttg	atttcttaat
128821	tggggatttc	ttttatgagc	catatctctc	actttgctgt	tccttctcta	tttatttgaa
128881	gagacaagtc	caacacataa	aagagaataa	aggtctacac	catttagcct	gatgttaagt
128941	gcaaaaaggat	tgcagagtca	gagatgaata	tgggatggag	tatggctgca	ggctccaagg
129001	atgaaatcag	ggtttgaaga	agtttccgaa	atgccagcag	caagtggagg	tcttggtgtt
129061	agctttgaca	ggttgtagac	agctttgtac	tatacctgtc	caatgccaa	cgatatgtgc
129121	ctgatatgta	ataatttctg	aatttggtta	gggaatgaaa	ataagaatct	acctgctatg
129181	ggctgaactg	tgtcctcttc	ctcctcaaat	tcatttggtg	aagggttaac	tcccagcacc
129241	tcagaatgcc	actacatttg	agatagggtg	tttaaagaag	taattaaggt	aaaatggggt
129301	tatcagggtg	tggcttaacc	cagtgactag	tgtcctcata	ataagaggag	tttatgacac
129361	agacagaaag	acaccagaca	tgtgcatgca	cagagggttg	cccctgtgaa	gatagaggga
129421	gttggtggcc	ttctacaagc	taagggaagga	gacttcagaa	aaataaccct	gctggcatct
129481	tgatcctggg	cttctatgct	ctagaattgt	aagaaagtac	actctgttgt	tgaagacacc
129541	cagtctgtaa	ttatttggtt	cggcagccct	aataaactca	cacacgatcc	attttgtttt
129601	actttccctt	caaataacaa	tgatgtctta	gttatatgtg	ttgttttagtc	ccatggtagt
129661	aactcatttt	ttaccagtcc	taaagtactt	atttagggag	agaggagaaa	ataaatttgg
129721	agaaatgcag	aacatacatg	aatggggaac	agaaacaaaa	gtatacatga	aaaagtctac

FIGURE 1 (continued)

129781 agttgcatg gtgcaaggct accctggtta agttgaggga acccttccct tatttcccaa  
 129841 tgactcagag actgggtcact gcttgacaaa gtttctccct agagaagtca ctagtattag  
 129901 aagaggacac agaaaccagg gccaccctct taagtcatg tttcagagat aagccagtgt  
 129961 gggggaagat gtgatgaggc atagaagctg gaatttgagc cttgggttagg taactgagga  
 130021 gaccatagga attgcttggg tggggaaaaa ttaattacgt gatattgtct cacactttga  
 130081 tacatgcaaa ataagtttag aacaaacatc aaggaagaaa gaggagctaa taatgattga  
 130141 gtcatacctt ttaaggaata tgtgtcaaa atagccttga aagagaaaaa aagtggagaa  
 130201 gatactccag aaactcaaaa tggaaatgtca ggtgtgggca aaaagagttt gagataacag  
 130261 ggaaaggggt tagagcagag caggagggaa gaacacagt ggaccgggtc tattccaggt  
 130321 gctaataaat gccctggaac tgctcttact gatctaattg ggatccaggc aggaaagaca  
 130381 cagtccttct tctccaaaat ctcccagccc agtgatgagc actaagtaaa ttgtgacgac  
 130441 tctacagact tgcaagtgtc aaggtgggaa cccatggtgt gcactgggag cacagaggag  
 130501 ggacctcttg cctgggtgcta agggaaagg gtcagaggag acctccccag gaaaggtgac  
 130561 aactaagcag agtctgatt gagagtggg gctaggccag caaagagatg tgtggaaatg  
 130621 catttcaggc ctgcagaaag tttgtgagat gggagagcat gactcattcg tcaaaccaca  
 130681 ggaaggtatt atggctggag tagaattttt ctgaaatgag gtcttttctc agtggtagg  
 130741 aagaagggca aaggagaga tgtatagtgt ctctctcaga acttaaaaaat tcttttttgt  
 130801 taatgcaatt aatatgtgtg taccatgaat cacctggatg atttgcatat attcaggagt  
 130861 gattatagta aagaagaatt taggacaaca ccaaatccag caatatattg ttaaaatgtt  
 130921 gttttgaatt aatgcataat tgtacatgca ggtataacct attttattgt gctctccttt  
 130981 attgcccttc gcagatatgt tattttttat aagttgaagg tttgtagcaa ccttgcatg  
 131041 agcaagtcta ttggcaccat ttttccaaac gaagtgtca cttcttatct ctgtgtcaca  
 131101 ttttggtaat tcttccagca tttcaaactt tataattatt attattctgt tatggtgacc  
 131161 tgtgatcagt gatctttgat gttactatta taattgctat ggtttaaagg tccctgtagc  
 131221 ccatggatca aggagtaatt ttgactttca agccttataa ttaagaaac ttaagttagc  
 131281 acatgaatta taagaaagca aaatgccaga ttgttgatat ggagaaagtt ttagtagtct  
 131341 gggtagaaga acaaacagg cacagcattt ccttaagcca aaatctaatac cagagcaagg  
 131401 ccctaactat tcgattctat gaaggctgag agaggtgagg aagctgcaga agacaagttt  
 131461 gacactagca gaggttggtt catgagggtt aaggaaagaa gctatctcca taacataaaa  
 131521 gtgcaagggt aagcagcaag cgttaatgta gaagctacag caaattatcc agagatctac  
 131581 ttaagatcat tggggaagg gttgcacta ctttcatact agagagaagt caatgcctgg  
 131641 ctttctattg gaagaagatg ctatctagga ctttcatact agagagaagt caatgcctgg  
 131701 cttcaaagct tcaaaggaca ggttgacact cttgtcagag acaaatgcag ctggttaactt  
 131761 tatgttgaag ccaatgccta tttaccattc caaaaatcct agggccttta agaattatgc  
 131821 taaaagctgc tcttcttggt ccacataaat ggaacaacaa agcctggatg acagtacatc  
 131881 tatttacagc attatttact gaatttttta agctcacctg ttagacctat tttttttaa  
 131941 tggctttcaa aatactacta ctcatgaca atgtacctg ttaccaaga gttctgatga  
 132001 ggaatgacaa agagattaat gttttcctac ctgctaacac aacatccatt ctgtagccca  
 132061 tggatcaagg agtaattttg actttcaagc cttataattt aagaaactca ttttataatg  
 132121 ccatagcttc catagacagc gattcctctg atggatctgg gcaaagtga tggaaagcct  
 132181 tctggaaagg attaaccatt ctatagcgag aataatccca tttactact ttttcttttg  
 132241 ttgcatatgc ttttgagggtc tgaaaaatcc ttgcccagac aaatatcaca aaatgttttc  
 132301 cctatgtttt cttctagtag atttatcttt ttaggtctta catttaagta ttaatccat  
 132361 tttgagttaa tatttgtaat gatgagagat agaggtctag ttttactttt ctgtatgtgg  
 132421 atatccagtt ttccctggcac catttggtga agagattgtc ctttccctcaa tatgtgttct  
 132481 tggcaccttt gtcaaaaatt agttggctgt aaatgtgtgg atttatttct gtatcctcta  
 132541 tectgttcca ttggtctatg tgtctatttt tatgccagta ccatgctgtt ttggttacta  
 132601 tagacttgta gtacattttg aagtcaggta gtgtgatgcc tccagcttta ttctttttgc  
 132661 tcaaaattgc tttggctatt tggagccttt tctggtttca tatgaatttt aggatcaact  
 132721 ttttctattc ctgtgaaata taattttgtg aaaaatatca ttggtatttt gatagggatt  
 132781 gtattgaatc tatagatgac tttgagtagt atggacattt taacaatatt aattcttcca  
 132841 atccacgaac atgagaccgc tttccattta tttgtgtcct cttcaattcc tatcatcaat  
 132901 attttacagg ttttattgta aagagttttc acttccctgg ttaaatttat tgcgggtat  
 132961 ctttaatttt gttagctagca taaatgagat tgcttctttt ctttcttttt tagggagttc  
 133021 tttatagttt tatagaaatg ctactgattt ttgcatgttg aattttgcat cctgaaactt  
 133081 aatgaatta gtttatcagt tctaaaagtt ttttggatag agtctttagg ttttctata  
 133141 tgcaagttca tatcatttgc agacagacac agtttgactt cctctttttc aatttgaatg

FIGURE 1 (continued)

133201	acctttcttt	ctcttgcccta	attgtacttg	ccaggacttc	cattactggt	tttaatgaaa
133261	gtgccgaaa	tgggcatctt	tgtcggtttc	cagatcttag	agaagagctt	taaacttttc
133321	ctccttttagc	atgatttaac	tgtgggtttg	tcatatatgg	cctttattgt	gttgagggtct
133381	gttattttcta	tttgttgaga	gtttttatta	tgatgagatg	ttgaatttca	tcaaagtctt
133441	tttctgcatc	aattgaaatg	attatatggg	ttttgtcctt	gattctataa	tgtttattga
133501	tttaggtatg	ctgaaccatc	cctgagtgcca	tgaataaaat	ctcacataat	catgataagt
133561	gatcttttta	atgtgctggt	gaattcagct	tgctagtatt	ttgttaactt	ttttttgcat
133621	ccatgttcat	cagggagatt	ggcctgtagt	ttcttttttt	ggttatgttc	ttctctggtg
133681	ttagtatctg	ggtaatgctg	gctttataaa	attaatttgg	aagaattacc	tccttttcaa
133741	ttttttggag	taatttgaaa	agaattgatg	ttcatttaaa	aaaaatgttt	ggtataatac
133801	agcagtgaag	ccacttggtc	cggggctttt	ccttgatggg	agatgtttta	ttattgattt
133861	aatcttggtt	tttattattg	ttctgctctg	ttttctgttt	cttcataaatt	caattttggg
133921	agcatatgta	cctagaaaact	taaccatttc	ttctagattt	agcttttcat	aaaagtcact
133981	tatgatcctt	tgtattttcta	ggatcagttc	taatgtctct	tttttcaactg	ctgactttat
134041	gtatttggtc	tttatcttta	tttcatagtt	agtctggcta	aagattgggt	gattttgttt
134101	atcttttcag	aagaacaatt	attggttatg	ttgatctttt	taattttttt	ctctattttg
134161	tttattggtg	ctctgatcct	tattatttat	tcccttctac	caattttggc	tttggtttgt
134221	tcttggtttt	ctagttttctt	gaggtacaat	gttaggtttt	tatctgagat	ttttctattt
134281	tgttcatata	gatgttaatt	gctatatact	tccctcttag	aattgttttt	gctgtatccc
134341	atagggttttg	gtatatgtta	tttccatttt	catttgattt	aaattatttt	taaatttcct
134401	ttttaatttc	tttattgacc	cattgggtctt	tctggagcat	gtttaatttc	tatatatttg
134461	tatgttttcc	aaaatttctc	ctgttactga	tttctaattt	tcttccactg	tggtctgaaa
134521	agttacttga	cataattttg	atttaaaaaat	tttttttgac	acttggtctg	tggcctaaca
134581	tatgatctat	cctgagaag	tttcatgtgc	tgttgcgaag	aatgtgtatt	ctgtagcggg
134641	tgggtggaat	gttccgtaat	gactgttagg	tacatttggg	ttagagtgc	gtttaaatat
134701	gatgtttctt	tgttgatttt	ctgtctggat	gatctgtcca	ttgctgaaag	caggggtgtg
134761	aagtcctcta	ctatcattgt	attgaggtct	ctccctccct	ttagatctaa	taatatttgc
134821	tttacgcatt	tgggtgctca	actgctagtt	ttacatatat	ttacaattgt	catatgact
134881	actcctgctc	tcttttggtt	tctctttgca	tggaaatga	gcttccatcc	tttcaacttc
134941	agtttatgta	tgttcttaca	ggttaagtaa	gtctctcaca	ggcaacacat	acttgttttt
135001	tttttaaact	ctatttagcc	actttatata	ctttaattat	gaaatttaat	ccattttacat
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135121	tgttttgttt	atcttctgtc	tctttcttcc	tctcttatgg	ctacatttat	gtttgggtga
135181	ttttctgtag	taataaaactt	tgatttcttt	ctctttctca	tttggtgatc	tgcagtaata
135241	tttttctttg	cagttattct	ggggcttaca	taaaatattg	tatagttata	atagactatt
135301	tttagctgat	aataataaac	tttggttgca	tacaaatatt	ctagactttt	actatccctt
135361	ctaaaatttt	taattttgct	gcttaattta	catcttttta	tattgtgtgt	tccctaacaa
135421	cttattgtag	ctagacttat	catcgaccat	gttgactttt	taacttcaca	gtagagatat
135481	gaaagattat	gtaccaacat	tatggtaatg	aagtattttg	aattgtgataa	taaatttacc
135541	tctaccagtg	agattagact	ttcatatggt	ttatgatagt	aattattgtc	cttttgcttc
135601	caattggaat	acttccctaa	acattttttg	taaggctggg	ctagcgggtga	tgaattccct
135661	cagcttttgc	ttgtctgaga	aaaaatgtat	ttctccttca	tttctgaaga	tagctttcct
135721	gagcataata	ttatacatga	catttgtaatg	acactttgaa	tgtattatct	cattttcttc
135781	tggcttgtaa	ggtttctttt	gagaaatctg	ctaatagtct	aatagaaatt	cttgtgtatg
135841	tgacttgata	tttttctcaa	aaagcccca	aatccaaaaa	ctttttttta	agaatgtcat
135901	aaatgactaa	gctagaaaga	gagaagaagg	tgaagttgga	gaaatgcagg	acaatacata
135961	gttgagagaac	agaaacaaaa	gtctacataa	aaaatacagt	tgagatgggtg	taaggctacc
136021	ataatgtaag	gttaaggga	tcctctcttt	ctttttcagt	gactcagaga	ctggctactg
136081	cttgataaaa	ttttttttct	agataattca	ctagtattag	aagagaacac	agaaaccagg
136141	gctacctttt	taactcattg	tttcagatat	aggggtgagga	gtgggtgtgat	gaggcagaga
136201	agctggaatt	tgagcttttg	ttaggaaaat	aaagagacca	taggaagagc	tggagtggg
136261	aaaaattaat	tatgcgactt	cttctcacac	ttacatacat	gcaaaataag	tttacataat
136321	aattattgag	tcatactctt	tttttttttt	tttttttttt	gagacagagt	ttctctcttg
136381	tcgcccaggc	tggagtgcaa	aggtgtgatc	ttggttcact	gcaacctgca	cctccttcat
136441	tcaagcaatt	ctcctacctc	agcctccgga	gtagctggga	ttgcaggcat	gcgccactat
136501	gccagctaa	tttttttttt	ttttgtattt	ttagttgaga	tgggggttca	ccatgttggc
136561	caagctggcc	ttgaactcct	gacctccggt	gatccacccg	cctcggcctc	ccaaaatgct

FIGURE 1 (continued)



136621	aggattatag	gcatgggcca	ctgcgcccag	ctgagtcata	ctctttaagg	aatatgtgtg
136681	tcaaagatag	ccttgaaaga	gaaaagaagt	ggagaagata	ctccaaaaac	tcaaaatgga
136741	atgtcagggtg	tggacagaaa	gagtttgga	taacagggaa	agtgtttaga	gcagagcagg
136801	agggagaagac	acatgggact	ggtgctattc	caggtgttaa	tcaatgtcct	ggaactgctg
136861	tcactgatct	aatggggatc	taggcaggaa	agacacagtc	cctcttctcc	aaaatctccc
136921	agcccagtga	tgagcactaa	gtaaattgtg	acgactctac	agacttgacg	gtgctaaggt
136981	gggaacccat	ggtgtgcact	gggagcacag	aggagggacc	tcttgcccgg	tgctaagggg
137041	aaggggggtca	gaggaggcct	ccccaggaaa	ggtgacatcc	aatccaagtc	ctgatagaga
137101	gtggggggtca	ggccagcaaa	gagatgtgtg	gaaatgcatt	tcaggcccgt	ggaaagtttg
137161	tgagatggga	gagcatgact	cattcatgga	accgcaggta	ggtattatgg	ctaggatagg
137221	ataatttttc	tgaaatgtgg	tctttttctca	gtgataggga	ggaagggcaa	agggagagat
137281	gcacagtgtc	tctctcagaa	cttaaaaaatt	ttaataaggc	aatgaatgta	tttgtatata
137341	tactctaaat	catttggtatg	atttacatat	attcaagagc	tataacagta	aagaaaattt
137401	aagacaatac	caaattcagc	aatttttttt	tcctttttaa	aggatatatt	taaacactga
137461	tgagagatgc	actagaattg	taggcaggac	tagttcagga	tttttttttt	ttcagttatg
137521	gtttacctgc	aaagttccta	gtcctaacag	tagttcagga	atccacagat	gtctgaagtg
137581	tgagctagca	ccccaattca	tctgaccata	ggaaaggctt	tagtggactc	atacaattca
137641	agtgaagatc	tggcactgtc	tttgagtttc	agtaagtgcc	tttcttttca	gagatactgg
137701	agaattagaa	ctgtgtagaa	agtcttccag	cgtacaatat	agaagcacia	atagagccat
137761	tgaccttaat	gggacatttg	aggaggtcat	acaataaaac	agcagtctct	gttaagaaat
137821	aacactaatg	ggcctggggg	tgctaaatag	aggggtggatt	atcttcttac	ccatatattg
137881	tacttggtct	ccacgtcatc	tggaaagaaat	ttcatctggt	atcttctact	ggtcttcatt
137941	cttatttttaa	aaaaccttct	cttcagagca	gagcagggtat	ctgggtgaatt	atcactgtga
138001	ctaaacaaat	tgctcctttgc	ccagtgtatt	ttaaataatgt	acactaccca	ccatggaatt
138061	tactaggcca	gctaaaaact	gagtaggaga	tataactaat	tctaattggt	tttattttga
138121	tgtagataag	tactacaatt	tagaaaagca	taaggcaatt	agcaacttaa	gaccttgcta
138181	ataaaatgct	atttcacttt	ctggcagaga	gtgcaataga	cagagatcaa	ttctaagagt
138241	aaattgggtg	aatattagtg	cagagccctg	tgatgccatc	aaaacatatt	aggcatattt
138301	actatatcat	ggaaagtcct	cagtaatagc	acatacctcc	ctgatggaaa	aagtggccat
138361	ttatttttaa	aacttttatt	tatctcagct	caaattttta	gatattgttc	tcccccaatt
138421	agaatatgag	aataggggact	gtattgttta	caactaactg	tattgccagc	atctagaaca
138481	ctacctgggtc	tgtaataggc	tctccataaa	tattttcaga	ataaattaga	atcatctaca
138541	cacctacttt	gacatacact	gtctgggtgct	ttcagatctg	tctcactcaa	tttttgtcag
138601	agctagtcag	acgtcccatt	ggtccaatgt	ggaagctgag	atcagagcta	actgtccgag
138661	gacaaatagc	tagcaagtgt	cagatgtggg	attcagccca	agccttctaa	cttactctc
138721	aagaatgttt	tcttgtctac	cttggattta	aggaacaatt	ctgggtcttt	gctgagagga
138781	ctgggtactg	gctgctagaa	agctttttga	attatttctt	ccttctcctt	ccttccttcc
138841	ttccttccct	ccttccctgc	tccttccctc	cctccctccc	tccctccctc	ccttccttcc
138901	ttccttcttt	tcccccaaag	acccctgata	tgaactagat	aggttactag	tggttttctt
138961	tccagatttc	aatgtttact	gatataccaa	gacattatgc	aacctcaaaa	cacttctaac
139021	ccaagagcac	ttctaattgt	acccacgggg	gtccctcagg	actctggctc	ataaatgggc
139081	tgtagggcct	cagagccctc	agttggccgc	ttggggctct	tccctcatag	acatgcttcc
139141	ttgtgtcaca	tggacagaca	gaaagtactg	tcttgatgag	tcatttttgg	ctctgaagct
139201	acttgctact	caggaggcag	gagagggatg	tgatagaatc	tttgccatgaa	ttcttgaagg
139261	gagaggcttg	gcctgggtac	acataattct	tttggttaca	aatcctcatt	aaaatagaca
139321	ccttttactt	gacccagcag	atctgtagtt	gtttattttc	tctctattgt	aaccaaattt
139381	taatttttcc	ccaacctttg	gacttgacca	tgaagatgat	aacctttttt	agatatttat
139441	ataatatttg	taatagattt	catgtaattg	ttatattata	tatatattat	aaatgtaacg
139501	tttctcactt	tcttcttaac	aagatctggg	gcaaacaatt	tcagggttaa	gaaatgggat
139561	ttttaaaaagt	tgtaggggac	attttatggg	tagaggcctt	gcacccgtgt	ctcccttctt
139621	aattagctgg	ctagattgca	gactcactct	ttgagcgaga	ggacttggtt	tgtgtgtttg
139681	ggggcaccgt	gtgtgtgtgt	gtgtgtgtgt	gtgtggatgc	atgcatgccc	atttgtattt
139741	gtacataagt	taaaaaataa	gaatcgtgcc	gggcatgggtg	gctcacgcct	gtaatcccag
139801	cactttggga	ggccaagggtg	ggtggatcac	aaggtcagga	gatcgagacc	atcctggctg
139861	acatggtgaa	accctgtctc	tactaaaaat	acaaaatatc	agctgggcgt	ggtggtgggt
139921	gcctgtagtc	ccagctactc	gggaggctga	ggcaggagaa	tggcgtgagc	ccgggaggga
139981	gaggttgacg	tgagccgagg	tcgcgccact	gcactccagc	ctgggtgaca	gagcaagact

FIGURE 1 (continued)

140041	ccatctcaaa	aaaaaaaaa	aaaaaaaaa	aaagaatcct	aacacacaag	gagttttatt
140101	atttacccaa	agatggttgt	agtttcaggg	aaattttctag	gaaggggact	tccatccaga
140161	tggcattttc	cagtagcaga	aagagaaagg	aacgatgtga	ctgttagtgc	aagcactgtg
140221	ctgggaactc	cacgtatgct	atgaattcaa	tctgtactta	aaaataagtt	ttactgagta
140281	ccttctaaaa	gtaagttact	gtgcaaaaagc	tgggaaaaca	aagatgaaaa	aagtacattc
140341	ctttacgcca	aggaattttac	aatctgaaag	gtgaggcagg	tgaacaactg	gtgattttta
140401	ttgggtgtaa	taagtgttat	gcaagacggt	tgtaccgagt	tatggtgcag	gaggacttag
140461	gagaggcacc	cttattttgt	cttagccaga	caaggcttca	taaatatgta	cgttggaggg
140521	gtttagggaa	gacttcccca	gggaggagac	attcaccttg	agtcttcaaa	cgccagtcca
140581	gaagcatagg	gacagcttca	ctacaggcag	agggaaaaac	atgccaaagt	cccagaggca
140641	gagctggaca	agttcaaggc	tcctgctcaa	acaccaatgc	ctgggaggca	gggccatttt
140701	gaagagttca	gattcatttt	gatggctgtg	gttaatgggt	caaggattta	aagtggggga
140761	gaaatagaat	tagttttgca	ttgataaata	taaatctgtt	aacattttga	atatagacat
140821	atgattatth	ttgtttgctt	tttttgga	tttgcttctt	cagaatgata	agaaaggagg
140881	aacagggact	ttgctgtaaa	cagacattca	caggatcacc	tgattattat	gctggttgtt
140941	ggtctaattc	tcttcccatg	aagcattttt	ttggaaaatc	tagtgtgtta	tgaaattaac
141001	tgacttaagt	taactgtcct	gcaatatgat	gaatggatta	aggagaaaaat	gacactagag
141061	gctggaaacc	aagcatgagg	ttgtttgagc	aatccaatga	gtggaaatgc	tactaggaga
141121	tagaattgat	aagattggga	aggaagggtt	gaagagacac	aagcgtcaag	gatgtcctga
141181	gaatttctgg	cttgggcaac	taggaggaca	gtgataaaac	aatagtgaac	atttattgag
141241	caccaactac	gcaccaggta	ctgttctatg	tcgcctcaca	tatctgagct	catttcatac
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141361	aacagaaagg	ataagtagct	tgcccaaggt	tacacaatta	gtaagaaata	gatttgggag
141421	tcgtcagttc	ataaaggctc	tgagacgaa	aacaatggat	agaattactc	aggaggtatc
141481	tgttggatga	ggaaagggcc	aagggcgaat	ctctgggaaa	ttccagtgtt	tcaggaatcg
141541	gcagaggaag	agtcgtatat	tacaatatgt	caggagtcag	cctgtgaaag	aggactgagt
141601	tggaccagta	caagagggtg	gagaccctgg	aagacaatgg	cgtgatagac	atcaagggcc
141661	tccagggcgg	tactaccgcc	tgcttattct	ggataaggaa	atggaacctg	gggaatggta
141721	gacctgagat	ttgctggaag	ccctgagatt	tgctggaagc	cttggttctc	tccatggct
141781	ccagaacccc	tttgggatta	aggcatcatt	tgtaggacaa	gcctgtgggt	tttatttttg
141841	gactcgataa	tctggattga	tgaagaatgc	aggagtggga	cttggttatg	aattaaagat
141901	catattatct	ccttcttaaa	atgctgggtg	taaatttaat	ttcttctcta	agaaatcggt
141961	tactggaaca	tttattgagt	aagaaaatta	cttgctttga	attatagctc	ttcttttctc
142021	tttagtaaga	attagctaaa	aagtatctag	gaagagaagc	agaaaacccc	aattatcccc
142081	caaaaattca	ttctcatagt	gaaccttcag	aaagtctatt	ggaaaccctt	attattttaca
142141	ataactgtta	agataagctt	attgaatatt	cttcccagat	taaaattcac	caaacctcat
142201	cagttctcag	agatctctgc	cttctcgaag	ccactagata	gccagtaatt	tcctttcctt
142261	ttattgaact	gtatcagctt	cagaagacgc	gatataatcc	tattggtttc	tgctctcaca
142321	ataacactgc	tgggacccat	cctgagggtc	cttgagggtc	tttaacctct	aatgctcggc
142381	cactctttct	tcttagtctg	agccatatat	atcattctca	tatatgccac	acataccata
142441	catgtcgcac	tcattcaaat	cctacattta	aaaatctctt	gcaaaagcca	gcttggggcca
142501	ggcatggtgg	ctcatacctg	taatcccagc	actttcggag	gccgaggcgg	gcagatcact
142561	tgaggtcagg	agttcgagac	ctgaccagcc	tggtcaacat	ggtgaaaccc	cgtctgaact
142621	aaaaatacaa	aaatttagctg	ggcgtggtgg	tgcgcacctg	taattccagc	tacttgggag
142681	gctgagtcac	gagaattgct	tgaaccctgg	aggcggaggc	tgacgtgagc	cgagatcatg
142741	ccactgcact	ccagcctggg	tgacagagcg	agattccgta	aaaaaaacaa	aacaaacaaa
142801	caaaaaaagc	ctatctcaaa	tacttgagtc	ctttatgaag	tttagcactt	ggcttatttt
142861	ttgaaagaat	actaccttct	ttcctgaatt	tatatatttc	tctcccctcc	tccaactttc
142921	tctggcagtg	ctttttgacg	ctggactccc	aatttagtca	tcataaaaatc	actgtagtca
142981	taaaacctgc	ttggatagcc	ctgagcataa	cttgtcaatt	tttattttatt	tctttgttta
143041	cttgtttggc	agtctcttcc	actaccttaa	agatctaagg	agataggaat	tgtgtatttt
143101	tttattttact	agtgtaaatc	ctattttgatt	gtaagtccag	tggtcttttt	cccacaatat
143161	acaggtagca	gaggcagaga	ggggagggtat	gtccctgaca	caaggaccct	ggaaaagaga
143221	tgggaaaatt	aggaaattta	cccactccta	aggctaacca	gaaaactcca	cgctagatag
143281	ctggtgtgag	ggctgggtct	gtaggggaaga	tgagctggga	gccagaagat	gaagtgttga
143341	gatggatgat	aaaggaaaagt	ctcagccaag	acaggagctg	gagctagctc	tgaaacacat
143401	gggaagctgg	caggatgcgg	tcagagggtca	gagagcgatc	agggttggtt	taggataaat

FIGURE 1 (continued)

143461	tttgctaagt	caggggtgtct	gaggacagat	ctttttttat	taaccatttt	gcatgctctt
143521	gtcccgaag	gacctgtgcc	tccttgca	ttcattttgc	agaaagatgc	cactaggaaa
143581	atgtgaactg	aataggaaaa	aaactatctg	gtgaaatgaa	aatgatcaga	accttaaatg
143641	aaactgtggc	ttatcattcc	tttcaacagt	ccaaaaagga	aatccagca	tgaaggcaaa
143701	cagatactag	agattaccaa	aagtagatta	caaaatgtgc	agtaaaaaatt	aagtggaaac
143761	cttcagagat	tgttgaaagg	gaaagtgttc	aagaagaatg	ggaagctaaa	aattgaaacc
143821	aaaagtataa	ctataagcaa	tcaaatcaaa	agcaattttg	atgaagaaga	aaaaagataa
143881	ctagagatct	gtataactac	agggagaaat	tttattagag	ttgcttttta	aaaaaaaata
143941	cataaataat	gtaaggagg	gaatataatc	aagttcagat	gtaaacaatg	ctttaattta
144001	tctgtgaaaa	actagctctg	tgacaaaaata	agagaaagga	aaagctagtt	tctagagtga
144061	gtggaagata	ttgcaaaaaat	tcttaagctg	tgggaaatgg	gtaaacaata	aaaggatctt
144121	tcaaagctat	attctcaatg	aagacgagca	gcaggagcct	gcttttttcc	agtattgatg
144181	taacttttta	ataatataaa	aacataaggc	ctggaaagaa	aatttcttcc	tgtatattct
144241	ataataactc	agacttatta	gtagcatatt	cttttgtaa	taactttata	ccccacaata
144301	agctttttata	tgcactattt	tatttaataa	tatttaacta	ctttctcta	acacattttc
144361	ataaattaga	aatcaacag	tcttccctct	ctaccttctt	aagacacttt	agtgtgctgc
144421	tttatctcta	cacaatcttc	agtgccttgc	cttatatcta	caactcaaaa	gaaaatttct
144481	gtaataaatg	tagtccctgg	ctgggtgcag	tgattcatgc	ctgtaatccc	agcatttttg
144541	gagcctgaga	cggacggatc	gcctgaggtc	aggagtggga	gaccagcctg	gccaaatga
144601	caaaaccctg	tctccactga	aagtacaaat	tagccagaca	tgggtgctctg	cgccgtgaat
144661	cccagctact	cgggaggcta	atgcaggaga	atcacttgaa	tctgggaggc	agaggttgca
144721	gtgagccaag	aacatgccac	tgcactccag	cctgggcaac	agagcaagac	tccatctcaa
144781	aaaacaaaca	aacaaacaaa	caaaacaaa	tgtagtccct	aatgaagaaa	caatgatagg
144841	aaattaaagt	aaaaatgcct	tttttctcag	atcaattttt	tctttttaag	atacttgcaa
144901	attacatttt	ctccactgcc	tacttcatag	ctcaagtctg	gcaatttcag	ctggaattag
144961	gaagagctcg	tgtgctcagc	ctcaaaacca	tgtctacatt	ccgactgcct	gattcttccct
145021	cttacagacc	tctctgtaca	acgtctgttg	tgtttcagct	ttttgactct	tcaaattagc
145081	atctcttcca	taaattggat	tttgatattg	tttcacccca	gtcaacattc	agtaatagaa
145141	cttatgtgaa	acagttcttc	ctctgtccct	tgcacatttt	ctttcatgtt	ctgcatttga
145201	tgatactttg	ctctttccct	ttcttctgaa	tccttgattt	gaaaaaaact	ttgtgtagct
145261	ctctgtatat	cttactaact	aaacttttcc	aattgatatg	actgtctcca	tcatttcacc
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145441	gttgatctcc	aaggagctgt	ttaatgagta	gacattagtt	tctgttgagt	tggatgatct
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145621	tatgttatat	ttgctccac	ctctacatta	gtggatgggtg	gcttttccaa	agggtgttgc
145681	tgttttcaga	ttctgtgttc	cctagaagg	atcgaagccc	ttgaaacatc	actgagaatt
145741	tattacttat	tgattatttc	tttcaatttt	tatctagggt	tttgaattga	tatcatatca
145801	ctttcaatgt	aaagaaataa	agtgaagtata	gattagatta	aaaaaaatga	aaagcataat
145861	tagaattagg	atgtccctaga	tgttttctgg	tcactttttg	agagcagaaa	ataatcaata
145921	tgtagatcta	cacatatagg	aaaaaatgct	aaccagtcaa	agtggagagg	tgggcatttg
145981	cttgagtttc	tatgcatgtt	agaaacagtt	gctctttgct	ccattttgtt	ggatccaagt
146041	cataacaaag	tggtagaatg	ttccttgaaa	ggggaggagt	atgggagaga	attgggaaaa
146101	atgaagccac	tggtagacag	acctggctcat	tagtccaaaa	agatagtttc	ttccagataa
146161	tgtacaaaaa	tagaatggat	gtgggtggag	aaagaacagc	cagaaagaaa	caaggctgtg
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146341	tgtgctttac	atacacatta	gcagctttga	gattgtctaa	atcatgcttc	attgcttttc
146401	tcacactcca	ggaagaagg	agggtgagaa	tggggccagg	gctccaggcc	tgatcctttc
146461	tcctcttccct	cctcctcctt	cttcctctcc	tctcttctct	tcttcttctt	taaaagtaag
146521	tcttcagtag	tgttccctt	aaagtcttgc	aataacctta	tcttgagcta	taagcacaca
146581	caaatagaag	atattccttc	atttgatccc	atttttcttt	ttccacatt	tctctaaaaat
146641	aaaccaacat	aataaagtca	taatttggag	ttctggctaa	attaaagatt	gacacacaat
146701	gtcattactc	ttcattcttt	gcttttgcaa	gtcacgtgtg	agaaagaaac	atatttctat
146761	ggccttttga	ctgcccttga	taaaatctgt	acttagggaa	atagcaatat	caataaatgc
146821	taaataatat	taacacaatg	tatgcagggg	tttttaagct	tcacagaaaa	aaaaatttaa

FIGURE 1 (continued)

146881 gacatgaatt tccaggaaaa ttattcttgt aactatccca aatgggtttt ctttccatca  
 146941 aaagaacaaa tggaaaaaag tgcaaaagcc aaatcaaaca aaatccttag tgtgaaatat  
 147001 attttggagc atgtggaatt aaatttgcac tttcaaataa aaacaaatgc ccgtttaaaa  
 147061 agtcatctaa cttttgtcct acgaagacaa ccagtaaaat atactgtttc ccttttccca  
 147121 gcatactcat gtttgggaaa acatgattat ctgaagagaa atttactttt actaaattag  
 147181 agtttgaggg gggagtgtgg aaggaataat tacagattat ccttttattc aatctcttct  
 147241 cttggaaaga agagaagaaa tgttgaaagc cagagaactt ttctaaaacg ctgtagggaa  
 147301 tttttttttt ctgtaaatat ccaagtccaa aaggagattt gcaaaatgtg gagttggaga  
 147361 tttgaactca tacaatatat cctaatacaa ataaaaatct gaacctttta atggcgacac  
 147421 agtccacacc atgaatggtc aaaatcactg gagctaattg acaggaaggg gttcctcagg  
 147481 gaactgtggc aaattttagc atcttccctt ccttttaggg actggacact catccttagg  
 147541 acttgagaat catatgtgaa aattatatag acttcccaca gtctactgac acattacaga  
 147601 gatactggaa atattaacca cacatgttgc ctacatactc tctttctcat catcataagc  
 147661 cacctgtgtt ctcactgaca ctgcaaatcc agtaaccaa acatcctgtt aaaattctct  
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 148561 aaagaaagaa agagagaaaag aaaggaaaag aagaaaagaaa gaaggaaaag aaggaaaggaa  
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 149761 taatagctta atgaatgtat aatgattaaa tgtttagcat gtattaaact atgatttcat  
 149821 gtagtttttt taaccatacc aacctagatt tcatatggat tatttaagca taccaaccat  
 149881 aatttcatgt acattattgc ttaagatagt aatgatataa aattttctta aaattattca  
 149941 tgtaaaagaa acaagtcagt taaaaggaaa atattaagta aaaatgtaca ggtggcaccc  
 150001 aaatatggta aaaattgtga agcagtttaa tgaataactg aactttggga aatgctagat  
 150061 tagagaattg gaaataactct tttaaataaa cacttgctat ctatgattat cctatggatg  
 150121 agtgcctaag aaatagagat gcatatgttg tatgttttta aaatgtacag gatgaattta  
 150181 cattgaccat catatttctt gtgctaaatc aaccattatt ttttgacta tagggagaag  
 150241 ctgtgtttct tcatagctcc tggagatgtg tgatgtgtca caggcctaata aactatatta

FIGURE 1 (continued)

150301 cacattttttt cacaaaagtg ctacatagag tagaaatgta taatagttac caacccaaga  
 150361 ctaaatacagg cctagtgggt tggatagctt cactttgcct atgataaaat acttcctcat  
 150421 tctttgtgtg attttcaagc aacttaacga ctgttagctt tgctgagcta aatgcaacat  
 150481 ctcataccaaa atttattggc ttggcaaagt tacaaaattt attacgcaaa agttgagaaa  
 150541 ggaaagctgg agaattgctaa aaacagtaca atttgctact gtgtagtatc tgtattgggg  
 150601 gctcagcatg ttttattttat agatatctat taatacagag atacagaaa aagaatagaa  
 150661 aaaatagttt tatcaaatac tttccagcat tcaagtgtag cctcaaaagc aagaataggc  
 150721 caggagtggg ggctcacgcc tgtaatcaca gcaactgtgg aggccaaggt aagaggattg  
 150781 cttgaggcca ggatttcaag accagcctag gcaacatagt gagatcccta tctctacgaa  
 150841 aaaattttta aacttagctg ggcattgggt cttgagcctg ttgtcccagc tactcaggag  
 150901 gctgaagtag gagtgtcact tgagcccagg aggttgaggc tgcaagtgcg tataactgca  
 150961 ccactgcact ccagccttgg agacagagtg agaccctgtc cccaaaaaaa ttaaaattga  
 151021 gaaaaaaaaa aaaggcaaga acagccacag caaactttct attggggaaa aaaaaaaatc  
 151081 ctctctctta catctctccc ttccttccct tccctttctg agagtgaact tggccaaaaag  
 151141 gagcattttc cccctgcagt cctctgaggg gtgggggtgg gctatgaagc tatccttcat  
 151201 attcactcct ttgtccagct cttttcacct ctagtcttct tccccgcac tctgtctagc  
 151261 agtgccttaa gtggaggagg ggtgggggca tcaagcttgt aaaactggtt tgttgggggt  
 151321 ctctctctcc cctcatttct tgattcttgg gaaaatgtct tgctgggagg ctgcctggca  
 151381 gtgccctagc tgccctctgt gggcttgaat ggggcttccc tctgccccta caggaggaaa  
 151441 agggagctgc tgccagaggg agaaatggag agatggacag agaaggcagg tgccaccctt  
 151501 cgccctgac acacaaagaa aaagacacgg aaattctctc tctctcttct cttctctat  
 151561 ctctctctct ctccctctct ctctctctct ctctctctca cacacacaca cacacacaca  
 151621 cacacacaca cacacacaca ggcgcgcgcg cgcgcgcgca ggcacacgct ttgcaaatc  
 151681 aggattcaaa gagacagggg caccattata tttggcagcg tggggccctt ccagggtctga  
 151741 aatcctgcat tcttcttacc tatttacttt ccccgagctc gagaagggcc aggtgtgggc  
 151801 ggatggctgg ccacgttttg tgtttccaat tcatattcac gggatgacac agacggggcg  
 151861 tgggtgagtgc tgttggaggc gcttgggagc tttcattttg cccacttct ccacctgaag  
 151921 gctgggcgtt gctggaacct gcaggggcag cctcagcaag gtgggggtggc gtggagtggg  
 151981 gtgggagaag ggactccagc tgaagtagaa cccaggctgg acctgagaat attggggagg  
 152041 gcatgggcgg tggtttccgg gttagggcct tgagaacatg ttggtcctga ctgttgcag  
 152101 tgtttggtca aagttgccaa aaggttaaaa aaaaaaaagt agggggagtc cctgccaaga  
 152161 catatttccc aggccacctt tcttccgcgg gagtgttggg ggggaggcgc tgcttggaa  
 152221 ctgtgaatgt gacatcagct ctccctctct ctcccaaggt cggctttgga gagggaggtc  
 152281 agggcaccct tgccctggcag agggcgcagc gctggcttcc ggctcagtcg cgcctgtcct  
 152341 ccgggagctg tggcctccct gggccccggg gctaggctga ggtaagcgca cagcggaggc  
 152401 caggggcccc ggcagaggcc ctggggatag ggtggaggca tctctgggtg tgggtgtggg  
 152461 tgtgggtgtg ggaggagag tcttgcctc tctctctccc atctccaact cttgcttcag  
 152521 tggctctttt agaggatgca tgtcattatg gacctgtcgc tgccactgtc cctgttcccc  
 152581 cagctgtgac ttcgagggag gtctggggat ctgagtctgt ccaaaaccac ggctttgctg  
 152641 ttgggataaa aactgtcctt ttgatttttag aaggaggagg gaaaaaaggt tccccagat  
 152701 gtgtgttgtg ccagtcttgg aaattcatcc gtgcttgaat tccaccctcc atccccagaa  
 152761 aaactggagt aaaacaaaaa gaggagatgg acaaagtgtg tatttgatgg catccccctg  
 152821 gaagagactc taaattttat ccataggtct tactgggcca ctgtgagcgc tttgggtggg  
 152881 aacaaacaaa aattctgggt gctcagttgt ctaacctgaa aaatgggact agcggaaaaa  
 152941 gccaatgtgt tccatgcacc ttttgccttc tttattaagg catgatgtca cctgtacagt  
 153001 aactggccctg tgtgtacttc agggggggat ttcaagggtta gatagacagg aaattgtttt  
 153061 gaaaatgtaa acacattatt aatgtgaag tattatctga ttccttggtc gaatggcatt  
 153121 tcttctcag caccaccttc cttgcattat cacttaacct tgtacaagaa cacctttttg  
 153181 ccctaaatga agacaccccc ccaaaaaaaa gactccaga aaatatgtcc ctgcttgtgc  
 153241 ggggaataaa tagaatatc tgagggtgat tctccttcc tatgttaggc aacattcctt  
 153301 gaccctctc ggcccccaag ccagggttgcg tttttttctg ccatttagaa gggtttctct  
 153361 ttttgccta gtaaaacatc agccctgtg gctcttctac tccccctggt gttctctcc  
 153421 cgccatgtct taagattggg ggcaccgacc aatcttaaga ttttaagttct gtgtgaaaaa  
 153481 cacctttgct tttcaatcag tttatcagcc tctccgcag gggaagtgtg gacacacaaa  
 153541 agaacttctc ggggcttctc atcagtgata gggaaaagac tgggcatgtg cctaaacgag  
 153601 ctctgatgtt atttttaagc tccctttctt gccaatccct cacggatctt tctccgatag  
 153661 atgcaaagaa cttcagcaaa aaagaccgcg aggaaggggc ttgaagagaa aagtacgtt

FIGURE 1 (continued)

153721 atctgcca aa atagtctgac cccagtagt ggggcagtga cgagggagag cattcccttg  
 153781 tttgactgag actagaatcg gagagacata aaaggaaaat gaagcgagca acaattaaaa  
 153841 aaaattcccc gcacacaaca atacaatcta tttaaactgt ggctcactact tttcatacca  
 153901 atgggtatgac tttttttctg gagtcccctc ttctgattct tgaactccgg ggctggcagc  
 153961 ttgcaaagg ggaagcgact ccagcactgc acgggcaggt ttagcaaagg tctctaattgg  
 154021 gtattttctt tttcttagcc ctgccccga attgtcagac ggcgggcgctc tgcctctgaa  
 154081 gttagcagtg atttcccttc gggcctggcc ttatctccgg ctgcacgttg cctgttgggtg  
 154141 actaataaca caataacatt gtctggggct ggaataaagt cggagctgtt taccctcact  
 154201 ctaatagggg ttcaatataa aaagccggca gagagctgtc caagtcagac gcgcctctgc  
 154261 atctgcgcca ggcgaaacggg tctgcgccct cctgcagtc cagctctcca ccgcccgtg  
 154321 cgccctgcaga cgctccgctc gctgccttct ctccctggcag gcgctgcctt ttctccccgt  
 154381 taaaagggca cttgggctga aggatcgctt tgagatctga ggaacccgca gcgctttgag  
 154441 ggacctgaag ctgtttttct tcgttttctt ttgggttcag tttgaacggg aggtttttga  
 154501 tccctttttt tcagaatgga ttatttgctc atgattttct ctctgctgtt tgtggcttgc  
 154561 caaggagctc cagaaacagg taggcacgct cggtgacttg taagtctcgg aattacaagt  
 154621 tagtgtgttc ttatccacct tcatgctttt cttgcttcta ttttccccg ttctttttat  
 154681 gactgcagct tagagagcaa gtgtctgaga attattgctg aaagctactt taagtcttct  
 154741 agtgtaaaat gtaaaattcc tctattgaat acaattaggt gcaattgact ataactgac  
 154801 attaaaataa cttatcgctt tattattatt attccattat gtgtttcctt ggctttttaa  
 154861 aatgagaag agtatggaca tatacaattt agtcaaagt atgtttgtaa tatatgtgtt  
 154921 tatacaggta cacaggccat ataggaaactt aaatcttatt taaacactat tttaatatgtg  
 154981 tgttaacgtg taaaatatatt aagcattcca gcttgaagcc aaggaattgt atccagtcgt  
 155041 tcaagcaatg tatgttcagt aaaatcacct gcagagcaaa agtctgttga ctaactaccg  
 155101 cctccccccc cccccgccac caccocccgc aggcgggttc tgggtgaagc agatgttttc  
 155161 tttaaaattt gtcattcattg acttttaggt tcttttgca ggtttttggc acccaaaaaca  
 155221 gtgtgagctc tcttttcagc tttattcacc tgtgctggga ggggagctag gataattctt  
 155281 ggctgcgcaa ggatttaggc agtgcggtg catctgcccg ggtcccccc gtttttaggg  
 155341 tcagtgcact tttttgtct tttcgtgacc ctgactaaag agaaaggatg tcaagggaat  
 155401 gaaaatcctg gaatgtgtct gatcatttga aatgtacaaa attgggcaga taagctgcat  
 155461 ggctaaattg ttaggaggaa gaggcaaggc agtagtgag aagggggagg cagtggatcc  
 155521 cacacaagcc tgatgccag ggattcggaa ttcaaaatcc cccagccta ccttcagtcc  
 155581 cctgacctgc ttctcagccc cacttaggt cactggtttc tatggagtta cctcctgaa  
 155641 ttgaatattg aatagttaat ttctctctc aatcatttcc cccacctaat tttgaaagat  
 155701 atacatcatc tggggatccc tgtgccctac acagcatgtg aagtggatgg gtaccccccta  
 155761 aagagagggg catcctgaat ggggaagtgg ccccaaagct aggaataact gtgatttctt  
 155821 gtcttttagt atgtgccaat gttaagtaag cttcagtgg tagtgctgtc ctaccaagtt  
 155881 cctttagtaa gccagccgga ttttcaacag gcagcattcc acagcatttc cctgagcctg  
 155941 cttcaagagg ggtgggggaa gtcccttttc aggtgtttat ctctctgca tttgtgtaat  
 156001 ctccctgaag gtggataagc caagggcatg agggggaggc aaaaggtgaa ctcatgttaa  
 156061 ggagggaaaa aaataaagag ccttttttct tgtgtttctt gctgatggca ggctgtgtgc  
 156121 ttcattctgct tttatctgct ctgctagctc tgactctact gtgatccagc atgtctctcg  
 156181 gcgtttgagg agacatcccc cactgacctg ctctttctct cccagcagt cttaggcgct  
 156241 gagctcagcg cgggtgggtga gaacggcggg gagaaccca ctcccagtc accctggcgg  
 156301 ctccgcccgt ccaagcgctg ctccctgctg tccctgatgg ataaagagt tgtctacttc  
 156361 tgccacctgg acatcatttg ggtcaacact cccagtaag tctctagagg gcattgtaac  
 156421 cctagtcatt cattagcgtt ggctccactg gagcccagtt ttagagtttc tttctaggg  
 156481 actctgaagg tagtcttct aacaccatcc aagtgcctca gtggggacag tttccctcta  
 156541 ttctgaaaa taacgacagc ttctgttcta gcaaccaagg ggagggtctt ctgaggcccc  
 156601 gtagctcagg ctactcatga tgggacaagc agggggccac tgcacgttcc aatgaggaa  
 156661 ctttcagtga gagggcctca gggggacact ctacagtggt catctgatgg ggtttcggga  
 156721 ataattgccg aggtcagatg tgggttagtg caacctgtgc ttctcatgg aggggtgaga  
 156781 ctgagaggca gaagtgtgaa gccatttctg caggagttag taattttact tacagaaaaa  
 156841 cctaggctca aagtgttgaa gcttttctg caggagttag tttgtagcag agctagaact  
 156901 ggagcccgga tttcctttgc tgctatatatt tccctttaga aatgccatt tcagaactga  
 156961 aatagaaata ctgtccatag gcttctcttt cacctacaga gaagaaaagc agatttctc  
 157021 cttctgccct ggacactagt tcatcatctg tcggaagcag tcataaaca gcacacattt  
 157081 actatgcata caatgtaccg ttatgacaaa ggaggacca aatccaaaca atatcaaacc

FIGURE 1 (continued)

157141	acaccaaaaa	ccacaaggag	cctaataatt	actaaggtga	tacttccaaa	gggaggactt
157201	tattttcttag	atgagaatga	aaatggacac	attggaaatt	attggagagc	cctctggcta
157261	tgagtccttc	cacaaccata	tggtaccacc	gactggcagg	agaaatgtgt	gaacatgtgc
157321	ctcctcctcc	cccaaccact	ggggtcgggtg	gggtgacggt	ggcactttta	gcagtatcct
157381	ccgtggtttg	agttgaaaat	aagtttttaa	aatcctgtga	gtcatggttt	tgcattgaaa
157441	cctcttccca	ctgtgtaccc	acaaatagtt	aactaaatag	accattagaa	aaggaagaaa
157501	atataaagca	gatgccaaagc	agagatgtcc	taatttttga	caaaaaagca	atgttgcttg
157561	tgtcaagaag	aaactgaact	ttgtgaagag	ttgaaatgga	attccactga	attagaaaaa
157621	cctgttttct	cctgcctgga	tacatacagt	cagggccatt	gatgcacagg	tgttcctggc
157681	tgttgttaca	ctttaccctc	tgaaatgatg	ctcccaagtg	ctatgtgatg	agctccttgt
157741	gtgccccagtg	gaataggtgt	gtccatgtgt	catttttaaag	actattaatt	acactaatat
157801	agttttctttc	tctcttttga	taataggcac	gttggttccgt	atggacttgg	aagccctagg
157861	tccaagagag	ccttgaggag	tttacttccc	acaaaggcaa	cagaccgtga	aaatagatgc
157921	caatgtgcta	gccaaaaaga	caagaagtgc	tggaaattttt	gccaaagcagg	aaaagaactc
157981	aggtgagcag	aaacaccttt	gcttttcaat	cagtttaaca	gcctcctgaa	ctccttccta
158041	tcatggtact	gccttctctgt	tttagagaga	ctaacagaga	cattgaaagt	cagggtaaaag
158101	ctgaatataa	cattgctgaa	atgtttttcc	ttgtgtattt	taacagggct	gaagacatta
158161	tggagaaaga	ctggaataat	cataagaaag	gaaaagactg	ttccaagctt	gggaaaaagt
158221	gtattttatca	gcagtttagtg	agaggaagaa	aaatcagaag	aagttcagag	gaacacctaa
158281	gacaaaccag	gtaagaggga	aggaagaaaa	attaggttaag	aggttcacaa	gaacaactag
158341	ccccagtcag	tgatgccagc	agcctgttcc	tccagccctt	cttaccctggg	caggtgaaaag
158401	acttagaaaa	cagtagcaga	ggagatctat	gcctcctata	gattaaaagg	agcaaaagaa
158461	tccctcttaa	atatttccat	gaagctctgg	aatgcaaacc	gatgtcctct	gtacttttag
158521	cacataccat	ttcatctaca	ggtagatttc	ccaacaaaaa	tatatccaga	gatgcctttg
158581	tcattggggt	atatacagcc	tttgctctc	tgagtcaatg	tatttaccac	tttccctgag
158641	aaatcgaaaa	tcatttttggg	gagcggacat	ttagaaaaag	aatcaaagtg	tcatggataa
158701	tcaaattctt	caataagttg	cagttattca	gatggccaaa	ggaaaaataa	agtcattaga
158761	taggggttgg	agaatttaga	acatgctgtt	tttcagggtt	atggctcttt	tttttttttt
158821	ttttttaaat	agggaaatgt	gtttggtgca	gagccaatgt	cattccaaaa	agctctctct
158881	tttctgtgtc	agtcatgtgc	tgggacagag	aagggatctg	gattaggcaa	catcatagag
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159001	agctcaaagg	aggaaaacct	ctctctgatc	taccacatgt	tctgcatttt	tctatcatgg
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159121	gctcaggcca	ggcagtcag	aactacttct	gagttattta	ctactgattt	gtggggcagc
159181	ctcagctatc	ggtttcttca	cacctgctta	tgagagtatc	catattttatg	gtcgcaggcc
159241	agtaatgctc	cccacgagat	cagtttctga	actaacctgg	aattttttat	gggtttttat
159301	tatgccaaact	attaaatcaa	cattacagtt	cttccctctg	tatttctcct	gtaaaacatt
159361	aggcctgcaa	aaaaaaaaaa	tcttttttaa	aataattgcc	ataaagtatt	tgtctctggc
159421	ctactgtatg	cttcttttct	ttttctctct	tttcaactaa	gtcaccgtca	atztattaag
159481	atggccataa	ctattcaaaa	cctatgctga	gttccctcaag	gcagggtcac	aatgtgatga
159541	aggttgggat	ggggctacgg	aagaaaccag	aacaactcta	gtttatttaa	aacctgtatt
159601	tactgcccac	ttcccttag	acttgaccat	atgacccctc	gtcccatctc	taagcatagg
159661	ggcaggcttt	atttttacaa	tggtaataga	tatcacttga	ggttttatca	aagagttgag
159721	gcgggtggtg	aaagttcaca	accagattca	ggttttgttt	gtgccagatt	ctaattttac
159781	atgtttcttt	tgccaaagg	tgattttttt	aaaataacat	ttgttttctc	ttatcttgct
159841	ttattaggtc	ggagaccatg	agaaacagcg	tcaaatacatc	ttttcatgat	cccaagctga
159901	aaggcaagcc	ctccagagag	cgttatgtga	cccacaaccg	agcacattgg	tgacagacct
159961	tcggggcctg	tctgaagcca	tagcctccac	ggagagccct	gtggccgact	ctgcactctc
160021	caccctggct	gggatcagag	caggagcacc	ctctgctggt	tctgactgg	caaaggacca
160081	gcgtcctcgt	tcaaaacatt	ccaagaaaag	ttaaggagtt	cccccaacca	tcttcaactg
160141	cttccatcag	tggttaactgc	tttggtctct	tctttcatct	ggggatgaca	atggacctct
160201	cagcagaaac	acacagtcac	attcgaattc	gggtggcacc	ctccggagag	agagagagga
160261	aggagattcc	acacaggggt	ggagtttctg	acgaaggctc	taaggagagt	tttgtgtctg
160321	actcaggcgc	ctggcacatt	tcaggagaga	actccaaagt	ccacacaaag	attttctaag
160381	gaatgcacaa	attgaaaaca	cactcaaaag	acaaacatgc	aagtaaagaa	aaaaaaaaga
160441	aagacttttg	tttaaatttg	taaaatgcaa	aactgaatga	aactgttact	accataaatc
160501	aggatatggt	tcatgaatat	gagtctacct	cacctatatt	gcactctggc	agaagtattt

FIGURE 1 (continued)

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160561 cccacattta attattgcct ccccaaaactc ttcccacccc tgctgcccct tcctccatcc
160621 cccatactaa atcctagcct cgtagaagtc tgggtctaag tgctcagcag agatataata
160681 ttttcatggg aatctactag ctctgatcca taagaaaaaa aagatcatta aatcaggaga
160741 ttccctgtcc ttgatttttg gagacacaat ggtatagggt tgtttatgaa atatattgaa
160801 aagtaagtgt ttgttacgct ttaaagcagt aaaattattt tcctttatat aaccggctaa
160861 tgaaagaggt tggattgaat tttgatgtac ttattttttt atagatatatt atattcaaac
160921 aattttattcc ttatatattac catgtttaa atctgttttg gcaggccata ttggtctatg
160981 tattttttaa atatgtattt ctaaatagaa ttgagaacat gctttgtttt gcctgtcaag
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161101 acggttttcat ggagtgggcc aacgtgatta agtaccataa aggcaaataa atgggttaaag
161161 acggttttcat agaaaagtga caattagaag gatattacgg tctaagctaa ttatataaag
161221 aatttttatct gttgtttttt tttgtatttt atactgcatt gaggtaaaaa cacaaaacaa
161281 aaaagcagct ttaacacctc tgtcttctct tgggtagcag cctcctgctt ctccttcacc
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161701 agcaccactt cctctccact ttgccttggc tggccttgct agctcactgg agagcacagt
161761 attgcaattg cagtattgca aatggctact actaactgaa ttctctaaga gcttgattag
161821 ccctcgagaa tcttcttgc ccttctctaa tagtgtctga aggaattcct ggcatttaac
161881 aaatattagc atgtagtgat cactgtcgtc ctaacagtga cacatcagaa ggatttcaaa
161941 taacagtcct caggcatgcg taatcaatgt cctgtgcaga gtctccgtcc tcatgtatcc
162001 tcatttttct ctttaaggca cagtccaatg tctttgggga attgtttata aagcttactt
162061 tatccataaa ctgtttctca gtgcgtgact ctgaagaaaa ttttgaagtt ttgccatgt
162121 tgacaagggt cttggtctga acttggccag tatttaactt tgagcaaacg attcaatttc
162181 cttctatcgt gagttttctc atctatgaaa caagggaggt gaggggagtt tctttcatac
162241 ccttgagaaa gagtttgaga ttacataaag aagttgaagt ggcatgaaaa aaaataaaga
162301 tctgagctta gaagacatgg atctaataca ttaagagga agtcagaatc agagaagcca
162361 ctgaacaaaa cagtcctaa agcctccctt tcccatgctt cctgctcag tatccagtag
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162601 agtccacatc agcttgaagg gtaaactgat gggatggtct gtcacatttc ttgctctggt
162661 tccagtaaaa gcatggtttc tggaaaccca cttaggacag ctttctctct ttacactgat
162721 agcccaggca agctttgatc tcagaactcc agaaaccaga gaactctagg tggatgtgg
162781 taacttttgc cagggcagag ggaacaccta ctaataggta cttcatttgc accaccagag
162841 attggcatct ttttgatgg atccactggc tttgatactg cctgtactcc cccaaaacac
162901 agcttgggta ttggactaat ctgagctcc ctcaggagaa ctcttgctga cattaagaaa
162961 gagcaacatt ttgtctttcc aggtgaaaa ccaaggccca aaaaggagg tgactcacct
163021 aagatcacag aaggagctgt agcatctctg gagcctgaac acttaagtta agcacgacta
163081 tttcagccag agggccctg gaggtctgca gaaacagatg cccaggcaaa ccttgctaga
163141 aggtctctgg tactaaagcc aaaatcagtc tttctgaaag ctttgctctc cagccttgta
163201 gacagtgtca gcagacccat cccctcaaga ggaaagagaa gaaatgcagg ggaagaaaaa
163261 aggactataa ggaggtatc tcatggcatc gttaagttaa tgtctatagg ataaaaataga
163321 atataaccaa gaatttttaa ttattatttt tagactttac tcaccaaaga atctatctga
163381 gtgaaggggg aaatctctcg gtcagttctc tttttttttt tttttttttt tttttttgag
163441 atggagtttt gctcttgttg cctaggcagg agtgcaatgg cgctatctca gctcaccaca
163501 acctctgect cctgggttca agcgattctc ctgcctcagc ctctcagta gctgagatta
163561 caggcatgtg ccaccatgcc cggctaattt tgtattttta gtagagacgg ggcttctccg
163621 tgttggctag gctggtctcg aactcctgac ctcagggtgat ccgcccacct tggcctcca
163681 aagtcctgtg attacaggcg tgagccactg tgctggccc ggctcagttct cttttactct
163741 acaatgcaag gcagtgggtc gtttttttt ttccccctct ctgtttctaa ggtcttgaaa
163801 atgcctgttt tcacatttaa gttctcaatg tgtaaaacac tgctttcaag cttatgttct
163861 taatagagtc cttctgcat tggttttatc tcacctttat actcacagtt cctggggact
163921 ttgggtctgg agctcagaat ttatctactg caagtgaatg ttacacattt cacagtaacc

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FIGURE 1 (continued)



163981	tctcatcttt	gtagataatt	tggtttctg	tagcttttca	catcctttct	ctcattcgac
164041	ccctaccctc	acacaacaat	cctttcggga	agctggaacc	atatcatgta	tccatcagcc
164101	aaccaaggaa	agagacatat	cgagaggggtg	agtgactcat	ccagagtcca	acatcaggca
164161	aatagcaaga	ccagaacccg	ggaccctga	ccctttcttc	ttaaactcct	ccagagccaa
164221	ggggatacac	tggacctgca	acttggaata	acgtagatta	tttccagctt	gtgagtgaac
164281	tgtgagtgga	atgaacttgt	tcttattctc	ttaggaagat	caaagctccg	tatgtaccct
164341	gagccctagt	tttgaacgtc	tctgtcgtat	gattatttgt	ttactgcac	attcttggtta
164401	tgacaatgca	tggttggcag	aaaacttgct	ggcatttaca	aagcttgcc	caaactctggt
164461	gccatgaagc	catgacaact	tcattgacaa	ctactggcca	cagagccaat	acatcggagg
164521	aaatagagt	atgaatgtga	tggcagcggc	catcaaattt	cctcaaattc	tgggcagtaa
164581	tcagagagag	agctagggct	ggtgccacta	ggtagtaaaa	agagaagggc	ttcggccttg
164641	gagacaatga	atgatggaaa	tgttgggtcc	cagggatgac	aggctgccc	tagctcagaa
164701	aggcagcaca	tcgggagtc	ggcatgcagt	tttgcccgtt	tagagttttc	tgggtttctg
164761	catcctattg	ttatttttca	cattccagtc	cattccagtc	cccttctgtg	taagttgctg
164821	tgggaagtatc	caggggcta	aatcacata	ttaagcggcc	attgacatgg	catgggcact
164881	gaccaattag	aaaaagctgg	gacagagctg	ttgggcaggg	tcctgataga	ctctggctgg
164941	gctaggtctt	caacctcctg	atgttggcct	gtaggggacc	ttgtgatctg	ggacaggggt
165001	gggcagccag	ggtggaattt	ccaagcttct	tgttgctagg	gctatttact	aaccaggatg
165061	aaatcatttc	actgttttac	agactagaat	agtctcactg	gtatgtgctc	ctgtgtacgt
165121	cagattttaa	agtatcgaaa	ccattctctg	cttgataaat	tattctcttt	acagcttcac
165181	tgagtgaagt	gacattatct	tcattgcctgc	ggaggttttg	caccaaattc	ttctgctcat
165241	gcacctttgg	tgtcctgctg	cacagtcac	tctggcaatg	cccctctctc	tgcattgttc
165301	cctccctcgt	gctctgggtg	actatgggag	aagtaaaaag	accttaaggg	tctccttgct
165361	tccttgagga	ttttacttta	aattttttat	ttattttatg	tgttttctat	ttcaatagct
165421	ttaagtggta	caagtgggtt	ttagttacat	ggatgaattg	tgtatgggtg	aagtctagga
165481	ttttagtga	tcctttactc	aagttagcgtg	cactgtaccc	agtaggtagt	ttttcagccc
165541	tcaacccttc	ctatcctccc	caacttctgg	gtctccaatg	tccattatac	cattctgtat
165601	gcctttgtgt	acccatagct	tagctcctac	ttataagcgg	gaacatgttg	catttgattt
165661	tcaattgctg	agttacttca	ctaagaataa	tgacctccag	ttccaaccaa	gttgctgcaa
165721	aagacatcat	ttagctcttt	tttatggctg	aagagtattc	catgggtatat	atatattaca
165781	ttttcttggc	cttctcatca	gttgatgagc	acttaggttg	attccatacc	tttgcaattg
165841	tgaattgtgc	tgtgataaac	atactcacgc	aggtgtgttt	ttgatgcatt	gacttctttt
165901	cctttatgta	aattccaagt	agtggtgattg	gcggatagaa	tggtagatct	actttttagt
165961	tctttgagaa	ctctccatac	tgttttccac	agaggtgtga	tgaatttaca	tccttcttgg
166021	agatttttag	cagggcaatt	ttgtggttgc	caaagtcaag	atctgcctta	gaccaggtct
166081	tcctagggcc	ctagctctgc	aataggaagg	agcaagaggg	acgagctgcc	tgtgaagatta
166141	aatcttgccc	tcttagatta	atttgggact	aggaaaggg	ggccccataa	tttactattt
166201	aaactgggac	atatttgaca	gcacttagtg	acattcttaa	caattctcac	ggagctacac
166261	attggactgt	tgtggacaaa	cttgacata	tggctcatctt	agatcaaaat	aagccttgaa
166321	tcagttcaga	atttcagaac	cgcctttgct	tcttggtatg	gcttggcact	gtgtaagcac
166381	acgcaatgtc	tgtatgcctt	tacctgcaga	ccaggtgcga	gcagagcacc	tccccctttt
166441	ctgggtgccta	cagcctcaag	ttcagagctg	agggcataat	atatcattca	ataaatgctt
166501	attcaatgga	tgaataaata	cagaggtgag	ttccactgtt	cagtaagagc	ggggtgaaag
166561	tgatactctt	ctagccagaa	tgcgactaga	caacagaaga	tttataagac	ccatttccag
166621	ggctctcttt	gcagagctgc	catagctgaa	atcttctttt	attgaggctc	cacgctagt
166681	gtaaattatt	tgacacaatg	gggtattctt	tctacttctt	tctactccaa	ccatcctgc
166741	atttcacat	aatcataata	acaataatct	tctccaaatg	ctttaattat	aatttcaata
166801	aatacagagc	tagaaggaaa	ttaaaaataa	ttttggctat	taccctcatc	tcaaaaacct
166861	tcactgcca	ctctgcctat	acaataaaaa	tatgctatct	actgagacag	gcaccagact
166921	aggaagaaag	gttgggaaat	gttacaattt	cagtattgag	catattaagt	tttaaatttt
166981	tcacatagat	gtgaaagtgt	tcagagtcaa	atgaagtcac	ctgtgttagg	aaccctgaca
167041	aatggagcca	ggaaaggcca	taaagggaga	attctcacac	acaaatgcct	gataacccaa
167101	gctatcacag	aatactttgc	aaaaaccaca	atcttgacac	aaggccatca	caaccttaca
167161	caaaaaatac	ttcagtgaag	ttatctgccc	agcaactgcc	tgtctagcct	cggactgggtg
167221	ccacccttgt	tattgataac	tgtagccaag	aataatgac	tcaaaaacat	tacgttatcc
167281	tcctgatttt	tcctttaaca	atctttgttt	tgttttacct	cctcgaatac	gcacatagtt
167341	tactatggca	tgtgtatttt	cattgcaatg	tccatccctg	aataaaaaata	attttctttt

FIGURE 1 (continued)

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167401 catttatttaa tgtattttggt ttttgaaact ggggtctccct ctgtcaccca ggctggagtg
167461 caatggcaca atcacagctc actgtagcct tgacctccca ggctcaagtg accctcccac
167521 ctcagcctcc taagtagctg ggaccacagg tgtacaccac catgctcagc taattaaaaa
167581 acatttttgt agagataggg tcttctatg ttgccaggc tggttttgaa ctcctgggct
167641 caagcaatct tctcgccttg gcctcccaa gtgctgggat tactggagct gttgtgccca
167701 gctcaatttc ttttagggag tctctctgtc tgttatctag gttgacagtg gttatcttca
167761 aatatatcca acagttgaga gaatagtata actctaaagc caatatacct agcatatagt
167821 ttatatagtt gttgagatat gctgggtggt gctttatctc tacctgcac ctcgcccctc
167881 tccttgaatt actttgaagc caatcccagc tatcattatc atcttaccta taaatatttc
167941 agtgtagttg taataaaact gatatgcttt gctcgatcag gtaaaatgtg aaatagtcaa
168001 ctagatatgt ggacctagag cttacagtgg atgaagaact cacaataaca aacgcctcac
168061 ggaactcaca ataacgaaag agacaatgca tgttgatagc ttgtgtttat gtgggtgctta
168121 ctaatatccc agacagtctt ttgagaactt tgcattgcac agctcatttt attcttacta
168181 aaacactatg aggtatttat cctatgttgc agatgaggaa acttgaagac agaaattcag
168241 tagtaactta tgcaaggcca ggacagtagt gaagaggtaa gaaccaggta acctcattca
168301 ctatgctttt ttgattcaga agaattccaa gtgataaagg ttacattatg ggataatcaa
168361 gtcctatgat ggtatcaaag tgacagtgt caactctgcc tggggacagg gaagggaagt
168421 ggtggtttca gggaagggtt catgtaaaga aacagtga aaatcagcctt gaattcctaa
168481 gaaggatacc atttgagaaa tttaaagctg aatcaaaggc gtgaagaagt ctcaataaaa
168541 tgctttgtcg atagatgact tgataaaaag aacataacct aacatgctca tgtgactgac
168601 tcataagaaa agtaagcagg tatctagatc attaaaagat gatttatctt gcaataatcc
168661 aatgatattg gaaatcttaa agcaacacaa caacactagg acagaaatct ctaattttca
168721 agtggcattg attgaactga aattttgagg tatgactaaa aatagcaaga aagcaattct
168781 aacagatttt cactaaattt tcagaagtta actacattta acattataat acaatgaaat
168841 aattccactg aaaatcactg tacttactga atgtaagctt attttatagt tcaaatgccc
168901 tatcaacctc ctactcttta atgcatggtc acaaatgacc tctcaccatg tcaagaattc
168961 cctcttgatg tatggatagg aataaccac ctgtcaactt aggtgtcttc cttgtgtttg
169021 aacaatttgc taaggtagga ttaccaatcg acctgctct gacattgggtc accggtgtgg
169081 ttctttccat ataacctcat cgttttgccc tgatcagcgg ccacaggcag gcagtaaccg
169141 ttggtttggt gaaagacaaa atgccctaga caattaagga gatgatctta ttcaggctac
169201 tacaataagg aaaatgttca ttaatgaaga ctgtctcaag gaaaggaagg aaacctgggg
169261 tttcatagag acagtaaaca agggagcaac tgaatctttt ggtagtcatg aggatggaga
169321 tggctctttc ttaaccatga agaaaggggt gaaaggaaga ggctcgagca ggggtgttcc
169381 ttgcagttag ccatttctca ggacacaaa aatgaggaga ttttttgagg gacacaggac
169441 tcagataaat ttcttcattg tcagtcctct gtttttttca agatgaatat cattcatcaa
169501 ggaaacactc aatgacaatc ataaatctcc tgagtggggt gaagtaaggt ctcagaaatc
169561 atttctcaaa gagtcttagt gttattcggg caaagacagt tgaagcatct gtagaaagat
169621 aatgtcaagg tcagtttgtg tgggattctg gggactaggc accgtaaaag aggattgctt
169681 aaaaagaaaa agagaaatat aagtataaaa ggtttactaa agagccagaa attgaataat
169741 gagggtaacc agttcagtgg attccaagag gtcagtggag gaaaatcttt cagttctgta
169801 acactgctct ttgagtctct tagagctact gaataggaca tcagtgtctt cagtgggtgt
169861 gtccacaggg catgtctgac tctagcattc cacaggcttc ttagtgcccc aggcagtgcc
169921 tttccaggga gaaactgggc ccatgaatgg tctgctacag tggtgagtcc tttgaagtat
169981 atatagcaaa ttttagctta taatgcttct tcagatccta gggaaaagga cccagatata
170041 agacaacctt gagtccttac agggatccgg gtagtcagat tttagttctc ggtgacactg
170101 agtcaggcag cagtgaagaa aattgaaaaa actgttgga accagaaaga ttgaagatct
170161 gaaaaggatt gataatttgg gaagtttaca ggatccagtc caacttacag ataggtacaa
170221 aaactaacag ctaggagaaa agtcaattac aattccacca gacaagacag tttgcctatt
170281 aatcattact cacattaaaa aaaaacccaa acagctcaaa aacaatgaac aagggttagaa
170341 tgagataacc tgggagactg tgctatctga tgtatagttt ttcattaaaa tgcaaaattt
170401 atttgtgtag tctactgact ttgatcaaga ataactcaa agaaagatta ttcttgccat
170461 tacaagccat ctcatagat ctagaatggt tattcagatt ggtacagcaa gaatggtaat
170521 ttaccatatt ggccttttaa gtttgctttt tggaaaattt cataaggagg ctcagattgg
170581 actgttaaaa aaaatctctc tagacaggaa gccaaagcaa taacttgcta ccagatttca
170641 cctgtcaagt acctataaat ctgggcaaat ttattttttc ttcaagtccc ccaaatatcc
170701 taggattcct aggcattgcca ggaaaggacc ttctttacct ctttactcac ctaaaaggaa
170761 gaggatctgt aatcaggta tcaggcctgt tttcccggga aggctttgta agcatcattt

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FIGURE 1 (continued)

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170821 ccgtaaaagcc aaccttagct tcttaaaagc atctgggtcat atctgattaa atgagcatca
170881 ttctcaacta tgacattcca agcactgcct tagttgtata acctgtattt tcaattttgt
170941 catggtaaca agaaggacag attcttattg aacctatgca aatgattatg ttgccatgaa
171001 aataaaaaata ctcaataaga gtttccaaat tctggaggag tcaggcagag agaatacaat
171061 accactatca aatgtttcat ttcgtaagtg atatcttatt tctgagttt ataaactgag
171121 tttcagttta taaaagcaaa atctaaattg ctatgtatta tgtattatag accacttaag
171181 aggaaaaaaga aagggcttcc ctatatatcc agaaaacaga atatcagaat gatcatattc
171241 caaacaaaaa gcacaaacag tcctcgtcag ctcattcagt gctatgtagt taatttgtat
171301 tccactcagt cttgagtga gagtctcatg aaccccttg tttcttggct agagttctag
171361 gaatcctaac tcagtccact ggtagttct caatattgt taagtgcac catcagaagc
171421 cagtaccxaa aagtatctgg caaaagtga ggacaatctg gcatcatcct tttctacagg
171481 gctttgagaa gataccacgc cgaggacaag cactatggcc tctagctgat ttgcaaaagc
171541 tgagatgcat cagagtaaaa caaagactat ctgtagatga caaaagacat aaagtggcac
171601 tgtggttaac ttcttactga taattttcaa aagtgaaga tctggtgaca ggtcattaga
171661 acaataatgc aactgacaag gaaatctggc tgctcgtgtg gagtacaaaa caagatcagg
171721 aagtcgatcc aaaaggtttt agacaagaag ataatttccc ctgttttcaa agagtggcta
171781 ttacatttga tttataaaat tgggttgtat tagtccattc tcaggtagtg ctataaagaa
171841 ctacctgaga ctgggtaatt tataaagaag ttttaattgac tctccacagg tttacagaa
171901 agcatggcaa ggaggactca ggaacttac aatcatgggt gaaagcgaat gggagcagg
171961 tactttcttc acaatggtgg caggagagag agagagccaa gggggagggt cttttaaacc
172021 atcagatctt gtgagaactc actcactatc atgagaatag caagggggac gtctgcctcc
172081 actgagccaa actgtatcac gggtaaacad tatttttaca gagaaaaaaa atcttgataa
172141 ataactgtaa taatcctgac ataataatcc atgaatatat caagcatata gttagaatat
172201 accacgaata tatcaacaat atattctgaa tgagtctgga gtacatccta aatatctata
172261 tgttaataaa actccatagg gaggtgatat gtatcccat ttgaaaatca ctggcctaga
172321 agattctagg ttcaaatcaa agaagcaaa ttgtgacca gttaatattt ttaaaaaata
172381 ctgaaattat gactgatagc actgtactat tgtataacat taggcacagc agaactagga
172441 ccgtgacaaa tagaaacata tgaagagtga tggtagggac aattctttag ggatttctac
172501 agcacacact ttctgaaata ttaagaacac acattttagc tagagaaagc taagcaaatc
172561 tgatttgcta actcatcagt tgtaacatat caaatacacc taattatttc cagcatctct
172621 ctttttcatc tttgtagata aaagtaaaaa tcttgttact tttccaggcc cctgcccctt
172681 gaaaaattac agaaatagtt ttaggtgcaa aagaaatcat taagattgtg tttggggaag
172741 acaaacacca aaagttgtta ggcgatttga acacttggtc aggtgaagact atgggttact
172801 gagaaacaat acttggttac gtatttgact aaaacaacag taaaaaattt aaaaagtaaa
172861 tataagaggt aacatgattt taaagaagct tagctctttc ctaagaaact ctgttttctt
172921 aaataatcaa ggacattggt gtggttcgaa tgtttgtgtc ctttgggagg tgattaggtc
172981 gaaagctaatt tgccaatgtg atgggtattt caaatggagc ttgccctaga aaagaggccc aagacagctt
173041 atgaaggcag accctcatga atgggattag cgaaaaggca ccacctatga gccaggaagc
173101 ccctgagcct tctaccatgg gaggacacag gtgccttgat cttggacttc ccagcctcta
173161 ggccctcacc accagacatt gaatctccta ctgttgttta taagccacct agtttatagt attttgttat
173221 gaactgtggg aaataaaatt acatgataaa gtcagcataa accaggttat tctagtaaga
173281 agtatcccaa acagactaag ggcagattgc acagaagata aagaataacc atttacaatc
173341 cacagacact ttgttttcta ggcagattgc acagaagata aagaataacc atttacaatc
173401 ttttatcaaa agcaaaccaa taatccaaga aaaaaattca tctaacagaa agaaaacaaa
173461 attctagttt tctaaagctc tttttttttt ttttttttta aagacagagc ctcactctgt
173521 tgcccaggct ggagtgcagt gctgtgatct cagctcactg tataggcgca caccactgcg
173581 caagtgattc tcatgcctca gcctcccag tagctgggac cagggtttca ccatgttggc caggctgggtc
173641 cctggctaatt tttttagatt ttagtagaga cagggtttca ctcagagtgc tgggattaca
173701 gtcaaacgcc tgatgtcagg tgatccacct gccttagcct ctcagagtgc tgggattaca
173761 ggcatgagcc cctgtgccc cctgtgccc cctgtgccc cctgtgccc cctgtgccc
173821 ttaaacctta cctaactttg gccatgacaa agaaaattcc ttttctgaga agctcctata
173881 cttttctgtg ttcatgtgta tccctactag tgtaacttct caaaatgccaa gaaattcatt
173941 aatagatata tacagatttt taccacataa aataagaggc aaattatata aacttaaaat
174001 gatgttttagc aattaacgtt cagtattctg cttttctcag aaatgatcta ggcagctact
174061 ggatatccat tcattaactc aatttattat tggcccaagg ttttaagttt ctaaagact
174121 ttgcaaatga tcttcaagct gacacattgt ataacataat tactgtgaa ataaaatttg
174181 tcaaaataag tcttcaaatt acttaaacac aaattcgcac ttttcatca ttttaaacat

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FIGURE 1 (continued)

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174241 ttagtagaag tgatgctagc ttcctcaatt agtaaatctg tataagttta aaaaatattt
174301 acaaatataa caaaatctgt gcttatgcaa tattaacac tgataaatca gagaaaactt
174361 agctgtattt attaaatcaa ctgactcat ttgccaaaaa agtacctaaa
174421 ttacataaaa ttagatttct aaattatttc tgagttaata tctataacaa tacctttttt
174481 aatccccaca ctgaaagtat tagaggttca attttcttaa tttctttctc ttcataaagg
174541 gatattctta ataaaggaat atttagtcaa tataaatgct tatttatctc taagcaaadc
174601 agactagaga ttctttaaga catttcctaa tctagcttat tgatattatc aggagataga
174661 aaaatattat acactcacac gatgagaagt aaaggacttt ctaaatacag acatactcac
174721 agagaaaagct tataatttca tttctaaaat ttcagtcaga tgtcaaatat aaaccaacaa
174781 atacaaaacc cgccagtcca gatattaact tcttggttg cataatattc ttaatagatt
174841 tgaagtaaaa atagacagac agagaggaga ttctagctaa attctgtcac ctttactca
174901 acagagacaa ttacctctat aaaccatcag ttgcttaaa agatcatcaa atgttcagac
174961 catgaaaata aaagttgtcg ctagaaattg agtaagtgt caggaaaagt aacaatcaaa
175021 tctactgtgc tactgatgaa caaaagtcac atgagttgga ctcacctttg ggtccccgaa
175081 tctgtagtcc ggaacacaga gggctccagc tgcctagata cccctgtgga ataacagagc
175141 tctgaagtga ggcccaagct attcaagtta ttgcacccaa cagagggagt ccttgtaagg
175201 agaatggggt aagaaaaggga gcctggtcag cacaaatgta tcaggaaaagt ggctcaagtg
175261 cagtaaaatg actaagagta tggctattgt attcagatat acctggattc aaatcatggc
175321 tccactgctt ataagccctt tgggaagcta ttttacctc ccaagtctcc atctattcat
175381 ctataatatg gagataataa tacctaccac acagtgtgat tgtagattac cattccatat
175441 gaaactctgg agaccggccc tttattcatt acacaaaacc ttcaccatat gacctaaact
175501 tacttttctt gtttttgtt ttgtttgtt gagacagggt ctctctctgt
175561 tgcccaggct ggactgcagt ggcattgaaca cagctcacta caggctcgac ctcttgggct
175621 caagcgatcc tcccacctca gcctcctgag tagctgggac tacaggtgca caccacctatg
175681 cccagctaatt ttttttattt tttgtagaga tgcgtctcac tttgttacct aggtgtgtct
175741 caaactcctg gcctcaaata atccttctgc ctcgatctcc caaagtgtcg ggattacagg
175801 tgtgagccac catgcccagc cctcctgttt tatcttcacc ctacattggt actatcgtag
175861 gggaaacattt ctcaaatttt gtgtgcaaca gagttaacct agaaaaattg ataaaaatgaa
175921 gattcccagg tcacaaaccc cagaaattaa gacctagtaa atgatagaac ctagaaatct
175981 ttgttttagc aagaaccag gtggttcaga cataggtgtt ttttagatta tgtttaattt
176041 taaaaatata ccacgtgagc agccgggcgc agtggcgcat gcctgtaatc ccagcatttt
176101 gggaggccga ggtgggcaga tcacaggttc aggagataga gatcattctg gccaacatgg
176161 tgaaacccccg tctctactaa aaatacaaaa attagctggg cgtggtggcg cacacctgta
176221 gtctcagcta ctcaggaggc tgaggcagga gaatcgcttg aacctgggag gtggaggttg
176281 cagagctgag atcacgctac tgttctccag cctggtgcca gaatgagact ccatctcaaa
176341 tgtatatata cacacgtata tatacatata agtgtatata tatgtatata tgtgtatata
176401 tacatatatt acatatataa cataacacat atattacctc tataacatac atattacata
176461 tatattacat agatgttaca tatattatat atacacgtat acatatatct atatatacac
176521 gtatatatag atatatataa aatgttagct attcctcacc ctggctgtga actttcgttt
176581 ctctccaccc aggcctttga aatgccactt tctcatagaa gaatggcttt tcttcaaggt
176641 tctgctgggt agctgtttt taaatgtgtt ctcttctgtg aggccttctc ggacttctca
176701 aggcaaaaag gctttgtggt ctctcctctg gtatttgtaa acaagtctga tccccactt
176761 gacagagagc tcttgtaggg gaggcacggc atcttttttt tatctctgtg ttctcagcat
176821 ccagagaagg cacgctttga atgtctgtta attgagatga caatcccaac cccatattgc
176881 aaggagaatg attggaatct ctccatact tggcttttaa gtcacttaca agcctgaact
176941 gagagtctta gagactttca ggccagaagg tactaagagg tttgtcaagt cacagactga
177001 agaaaaatatt tgcaatacat atatctgata aaagactggg catctctctg gaatatcagt
177061 ttctaagaaa tgggtgctaac acatccttat aataaatcag aaaaacgggt cctggttaact
177121 caggtttcca catgcaactc ctttcattac tggaaataaa aattgtttta ctttgacca
177181 agtagatgat gtcttccagt ataaaaaaa aaaaaacact cctccccagc atcaacctac
177241 ctctgttgtt tttgtacatg aatatgttat tagcagcaat gacagacggc taacatctga
177301 gtccagccac ttgacaatca ttcgaagtca gcaggaacag acgtgctgaa ataaaaaaag
177361 acgagatgaa gtgctctacc tagggaacac cgccttgcaa tatatacgtg tctactgacct
177421 ctacttagga atgtgagtgc aaattgtcct ctggctatgg gcaacaacat aagccacgaa
177481 atgaaagagc tccaaataaa ttaaaatgat aaatttagcg atttagtgtg aacataaaaa
177541 gctttacaac ttcacgaatt aaaaaaacag tttcaatgtt agaagtcaag agagcagctc
177601 cctttagggg gtggggtggt agtgggcaga ggagagcctg ggggacttct gtcttctgtt

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FIGURE 1 (continued)

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177661 tcttgggtctg ggtgctgaga acataggcgt gttcactttg gaggaatgct ccaagctgca
177721 catcaagata tatgctcttt cccgtatgtg ttatgtttca aaaaagctta ccccttcctc
177781 ctctcaaaaa gcattttttt cctttcattt ttttatttct tcttcttctt ctctctctct
177841 cttttttttt aactagatac acgctgaaca aacaaaatat gcaaagaata atagtttgaa
177901 ggggtgccag catgctagcg tgccctctgga agcgtacatg ccttggctcg gactgggcat
177961 cagatgtgca ttttcacttg atgtaattca tttccttggt ccatgaccca gctttcctct
178021 ttgggggtaaa ggcccggtcca gcattttttt tggacaaggt ctccaccttt gctgcatcca
178081 gggagactcc ttcagtgtcca cggctctgcc tcaggttagt ttcttgttac gtgttgctcg
178141 gctttgtcag gtcttaatgc catcctgaag ctggtaaaat gagccaagtg acttcatctc
178201 tcatggcaca ccttgaggac attacttggg cacaagccaa ttcactgtct acagcccagag
178261 agacattttt ttcccatgag ctagctcctc tctcctctct tcacaaataa cttcctctat
178321 gggaaaggac acatcagaga acaaggagca ttgtaacggg tgagaaatat gcttgacatg
178381 ggggaaggaga tgccgtcctc actccctcct tccccaccct tccacactca tctgtcaact
178441 ctaatttctc actaatgctt gggtttact ctaagctccc tttgcttgct cgtgccacc
178501 aacagaaata tccaggaaaa gaaagagcat caggaatgac tggcgaattt gactcttgga
178561 ccttgttggt gctgactgcc ttctgcagct tggcgaattt gactcttgga atgcacggac
178621 agaagtagca tttttctctc caccagaagt ctgacactga ccatgtcaat gagcgtcaat
178681 tggcagtacg tgtgtgttggt ttgacctttt acatcaagac caagctaagc atttgctttc
178741 ctttgggtcaa ttccactggg ccttcctttt ggtcaatccc atcgctctct gacccagggc
178801 cagaggaaca tagcattttt cctaacttgg acaatgttgc aacacaaaaa aggctgttac
178861 tgaagtacgg aggaggtaga tgtgaagagt catccttttg tcagattgca aagggtgttg
178921 agcccattag tttcaggatg tttttatttt gttcccttcc agtaaatgtt ttcagagatt
178981 ttgctcggg tttttaaaga tgtttataaa gttatgggtc tctttaaaaa ttttaatcat
179041 cttaatgagg tataatttat atacaataaa atgcctagac agtgatccca tttgatggat
179101 tttacaatta tatataccca tccaaaccaa gatagaaaac acctccttca cccagaaaac
179161 ccctcatttc cttttccagt cagttccctc acacacactc actcctgccc tacccccagc
179221 cccactagag cctaggagaa gtcactgttc tgatttcttt caccataagt tagctttgct
179281 tctataaaat gtagcacctc agtatatat tttttagggtc ttgctaattt tgctcaacat
179341 aatgtttttg agatttggtc atgttattgc ctttgtcagc agtttgttct actttattgc
179401 tgagtaatat tccattgtac aaatatatga caatacattt atcaattctc ctgtatgagt
179461 acaatggaat tgtttctatt tggagctggt actaagagtg ctgtgagcac tcttgtaaaa
179521 gtctttttta tgttcttttt ttccatttct gtttaacttta tatctgagag tagaattgag
179581 gggccataag taggtttatg gtttaacttta tatgaaagtt ccaaaatttt tccaaactgg
179641 ttataccatt cttatattct taccagcagt gcctgggata tcgaattgct tcatgcttg
179701 tattgtcaat atttttattt tacttagtcc aacatttggt attatcacag tttatttact
179761 tcagctatga tgatttggtg gaaatgccat ttcactgtgg cattagttgg catttccctg
179821 atgatctacg gtgttgagct tactggccat tctgttcttc tatgtgatag gcacgttcat
179881 gtattttgcc tgtttttaca aattgacttt tttgtgtttt tattgttggt ttttaagagt
179941 tctctataca tcttgatat gagtccttta ttagacatat gtattgcata ggtattttcc
180001 agttttagtc ttgagaattt attttttaaa gatggcttct gatgaacaga aattattaat
180061 atttatgaag tctgacatca ttttttttaa tttatgtcct gcttaagaca ctttaggttt
180121 tctttgtctt cccaaatggt gtgctatatt ctcaaggttc ctcttagaga ctttaggttt
180181 ttagtcttta tgtttttgct tcaagactca ttttttcccc caaatccag tttttgtgca cggataagg
180241 cgggggggtgg tcaagactca ttttttcccc attggaatga cttggtgctt tggttaagaa gccattagta
180301 taaaagtctt tcatttcccc tctgggttct ctattttggt ccattgatct atttctggac
180361 tatgtgtgtg tgtggctatt tccatagatc actatcacia tatctatagc tgtagagtat gttttcagat
180421 tcccttcatt tccatagatc actatcacia tttttatcaa gatcgtttgg ctgttttggt
180481 tgattagtgt aagatctcta actttgttct tttttatcaa caacttgcca cttcctttaa aaaaatgatgc
180541 ccctctgggt ttctgtattt attttagaaa gttgaattta tctctgattt aggaaggatg gatattctaa
180601 ttgaattttg atcgaattgg ttttagaata tttttgcccg gcacagtggc tcacgccagt
180661 caacattcag tcttacaaaa acagtatgcc tttttgcccg caggccaggga gttcagagac
180721 aatcccaaca ctttgggagg ttgaggtgga cagaacacaa tactaaaaat acaaaaaatta gccagatgtg
180781 agcctggtca acatgggtgaa accccatctc gaggtctgag gcacaagaat cacttgaacc
180841 atggtgcatg cctgtaatcc cagctacttg ggaggctgag gactccagcc tgggcgacag
180901 aggggggtgg aggttgaggt tgtctcaaaa taaataaata agtaaacaga taaaactaga ctaataaaaa
180961 agcaagaccc tggcttttta ttaagttagg ttttcagttt cttttaacaa tgttttgtag
181021 gaaaccagtg tggcttttta ttaagttagg ttttcagttt cttttaacaa tgttttgtag

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FIGURE 1 (continued)

181081	ttttcaatgt	agagatcttg	catatttcat	tatatattatt	cctagccatt	taattgtgtg
181141	gtcatatatt	aaaattttta	tttgccagtt	tttattgtta	gtgcagaata	tatactgact
181201	tttaccctaa	agctttgctg	cactctttta	ttacttttaa	aaatatattg	gtagattcca
181261	tggagtttgc	tatgtcacat	gttctttgaa	taacaatgat	tttttccttt	agaatgtttg
181321	tgttttttat	tgcattgact	tactctataa	aattaccata	tcttctagaa	tattgctgaa
181381	tagaagtgtt	gagtgaatgt	tcttgccttg	ctcctaattcc	tagtggaata	ggatttaattg
181441	ttactagttt	aaagaataat	ctgtaatttg	attgagaaaa	tttcctctat	ttctagtttg
181501	ctgatagttt	ttatcgtgaa	tcagtgttga	atttcatcaa	gttcattttc	tgcattctatt
181561	gagatgattt	ttttctcctt	tattctctta	atgtggcaat	ttacactgat	ttattttcac
181621	acattgaacc	aatctttacat	ttctgaatat	atcccacttg	gtcatgactt	attttttcat
181681	tatagctttt	tgtgtgttgc	cagattttgat	ttgccaatat	ttccttaagg	catatatagg
181741	tgtgtgtgtg	tgtatatata	tacacacaca	tatatatata	tatacatata	tacatatata
181801	tacacatata	tacatatata	catatatata	catatatata	catacatacc	tatatatata
181861	tatgtgtgta	tatatatata	tatgtgtgtg	tgtatatata	tatatatatt	tataagttaa
181921	aaagttattt	cgaaaatata	ggctgagtat	cccttaccac	aaatgttttg	gacccaaggt
181981	ggtttggaat	ttggactttt	tttggatttt	gaatagttag	ataaatataa	taagatatct
182041	tggggatggg	accacagtct	aaacacaaaa	tgcattttata	ttttatatat	accttacata
182101	catagcctga	aggtaatttt	acataatatt	ttaaataatt	ttgtgcatga	aacaaatttt
182161	gattgtgttt	tgactatgac	ctgtcacatg	aggtcagggt	tggaaattttc	tacttgtggg
182221	gtcctgtttg	cactcaaaat	gtttcagggt	ttggatcatt	ctggatccag	aatggatcca
182281	ggtatagggt	ggattccacc	tataccaacg	tttttgccat	cttaggggtct	ggttttattg
182341	actttttttt	cttttttgc	tgtttgtctt	cttgcttttt	tgtgtttgtt	tttaaatttc
182401	agattgaacg	ccagacatta	ggatattttt	taaaaaacag	tagagactga	gacaccactt
182461	atttaccctc	agaaaagggc	atgcctcatc	ttctgtccag	ttattcgtat	aggagtttgg
182521	cagatgaagt	ctgtcgttga	gggtggcctg	aactttgttg	tggctttagt	tatggtaata
182581	caaccctaat	ttgaaatgaa	actacactct	gatgcctttt	atttagtata	agcactgggt
182641	gccagagagc	atccctcagg	tctcccacta	tgactacaga	cttcaggaga	ccctatgccc
182701	ctgcacctca	ggagagatct	ctcccagcat	tcttgcctct	tggccaggtg	ccaactgcta
182761	tttctctggc	cttgggtgaa	agcaggggag	tgggaggggt	tctctgagtt	cccctgatcc
182821	acgattagac	taaggcagcc	ctctgcacc	tgacgtcctt	cagctcctct	gcccctcccc
182881	cagatgtaga	caagggcacc	tcattgcttag	cacacagttc	tgaatgctgg	acctatttcc
182941	ttggctttcc	tgttccatcc	tcagtcttag	acaggcccag	tgccactatg	ctcaggaggg
183001	tctctctcag	acctcctgac	ccttctctgg	gtcaggetgc	tctgcctaatt	aggcagtgta
183061	agttctggag	catagcaaga	ttacttttgg	ttttctctgt	ttgtcttcac	tcttaggttg
183121	atcatgttag	cctgcatttc	cctggatttc	taaccctttt	ccatatgtgg	actgtcactt
183181	tctgccactt	agtgtaaagg	ctggagggtg	agaaagtttt	ctctctctct	ctgccactcc
183241	tgggtgctgcc	catattctca	ttcgggtgtg	acctggcact	tcttttgtga	agcagtagtt
183301	aaggagactt	tagaactcac	catggccaag	gaaaggccca	agggtttgtc	agtgtgacag
183361	atcagattcc	aattgatggg	caaccaatca	atgaaacaga	cacaccctca	cagttggaaa
183421	tggagattga	agatacaatt	gatgtgctcc	agcagcacgc	aggaggtgtc	tactgaaagg
183481	ggcacctgtc	tctttcctcc	agaatgctgt	tcttacagac	cagtattaaa	ttctcagtca
183541	gaaaactgca	atttggtttc	accacatctt	gactaataga	ctaatacagt	acagttttct
183601	ctatcctttc	ctttcccttt	tcctcattcc	tttataaaat	cacataaagt	aactaatgta
183661	tttgacacaag	aatatcacat	ttttaaaact	tcttattata	ttcagtggtc	agtggtagtt
183721	tttaattgac	atcgagtgga	gacaggatgg	gggaaaacac	tgattctgtg	aaaatacccc
183781	gtttctccac	taccggcatg	ctcattcagc	tcttatcttt	atattccagt	aagttatttt
183841	gctctcactg	ttttaacaac	aaccaccaca	acagaaaaaa	cataaaaaat	tttgcatacc
183901	ttgttcaatt	gaataatttt	aatgatattc	tatctattat	tgtaaaacca	aggacaattt
183961	tataactttt	tttgtacgta	gctgttacat	gtaaggcaat	ctgtttttta	gtagggttaa
184021	attactctta	aaaaaaaaaa	agaattctag	acagttttct	cttcaagtca	agcatgttgt
184081	tgttttaagct	tcttgtttta	aaataaatta	aagtttttct	gattcctctg	ctctctttct
184141	agtgtaggca	gctggcatac	tgtgttacag	tctgttcacc	actggtttca	aatctttttt
184201	ttttttttga	gatgcagttt	cactcttgtc	acctcaggct	gagtgtcaat	gcgtgatctt
184261	ggctcactga	aacctctgcc	tcttgggttc	aaatgattct	cctgcctcag	tctcccaagt
184321	agttgggtatt	acaggcaccc	gccaccatgc	cgggctaata	tttgtatttt	tagtagagac
184381	gtggtttcac	catgttggcc	aggctgggtc	tgaactcctg	acctcaggtg	atctgcccac
184441	agacaggatc	aggacttttc	attcagctgg	gcttgagatc	taaatatcaa	tgagatccca

FIGURE 1 (continued)

184501	gagatctctt	tatgggttaa	aactcggctt	tctgaacctt	ggtgtatctc	tctctctgtg
184561	tttgaccatc	tggcagctgg	atTTTTtat	tagatTTTTc	tcttcagtca	ctcctctagt
184621	tttctggctc	ttgtgaggtc	tttctccttc	cttttgtcct	gtccctagac	attagcactt
184681	actgcttgcc	cttggtgaaa	gcctagtgtt	ccttgaaaag	actcctctct	tgggtcttct
184741	gcccttggtc	cagccttcag	caggccactg	ctggtgagga	cttggagtat	ctcagggtac
184801	atttcctagt	tctcctgccc	tgctttcagt	gaagttcctg	agtgccttat	tggggtttta
184861	tgagctcttc	tgccctgtct	ccagcctttg	gctgcctctg	ccttgcaactt	gttgaaggcg
184921	ccatgtatct	catggcagat	atctttcagg	tcttctgctc	tgctctcagc	cttttgtgta
184981	ctatctctgt	gtactcagta	aaggcccata	aaaaaacaag	gagagggggg	gcaaactcaa
185041	tttgtgacta	gagccccttg	agactccagt	ccatcatttc	aaccaaccaa	cgggcatcaa
185101	aagtccatca	aggacaggca	tgggtggctgg	tgcttgtaat	cccggcactt	tgggaggctg
185161	aggtgggtgt	atcagttgag	ctcagggggt	tgagactagc	ttgggcaaca	cggcaaaacc
185221	ctgcctctac	aaaacaaaaca	aataaacatt	ggtctaatat	ggtggcacag	gccagtagtc
185281	ctagctactc	aggagggttga	ggtggggagga	tcacttgagc	ccaggagggtt	gagccctgat
185341	catgccactg	tattctagcc	tgggtgacag	agtgaagacc	tgtctcaaaa	aaaaaaaaat
185401	gttcattaac	agttcagctg	aattctcact	ccatccacag	cagattcctc	ctttctccac
185461	cttcatttoga	ggttcacagt	agctacgggt	ttctctctgc	tgaaattcat	ttcattttaga
185521	ttgtcttgca	tcctcagttc	tttggtaggt	ttatttattt	atttatttat	ttatttttga
185581	ggcaggggtc	tgctctgtca	tccaggctgg	agtacagtgg	cacaatcaca	gctgcctgca
185641	gcctcagcct	cctggggtca	agcaatcatc	ccaccttagc	ccctggaata	gcttcacagc
185701	tgggaccaca	gacatgtgac	accacgcca	gctatttttt	tttttttttt	gagagatggg
185761	ggtcttgcta	tggtgctctg	gctagtcttg	aactcatggg	ctcaagcaat	cctcctacct
185821	tgggtctcca	aagtgtctgg	attatagaca	tgagccacca	tgcttgggcc	tctgggtgagt
185881	ttctttaaac	tatcattata	tagcttgtct	agatgtatct	tgctgtaaag	gtggaagtaa
185941	tgggtttcttg	ctactttttta	tatcctaata	agaagcaagt	gtctaaaagt	ggtcttaaaa
186001	attattaggt	agctgaaatt	acacactatt	aattaagtac	acacacacac	acacacacac
186061	acacacacac	tccatttcct	aatttctctt	tatttttttt	tcctactcag	tcatccacag
186121	cacttttctat	tgtccacctg	tagttctcaa	ttgctaata	tttttctttc	caggggacag
186181	ttggcaacat	ctggagacat	tttttattgt	tacagctggg	gagatgggtg	tattggagtc
186241	cagtgggtga	gagatcaggg	atgctactaa	acatcgatat	gtaagtagga	ccgctctcaa
186301	caacaaaaaa	ttatctgggtc	caaaatatca	atggttctga	ggttaagaaa	ctctgttcta
186361	agggaatatg	aacaatcgcc	tgtagcagat	acagtcattg	tttttccacc	aataaattct
186421	ggtgggtacc	aagcaaatca	aaaagcaata	gaagagaaa	gaataatgtg	tgtattgtct
186481	ttctgatttc	agggaaggcag	tgtgtggatc			

FIGURE 1 (continued)

gi:4503461

1 mdyllmifsl lfvacqgape tavlgaelsa vgenggekpt psppwrlrrs krcscsslmd  
61 kecvyfchld iiwvntpehv vpyglgsprs kralenllpt katdrenrcq casqkdkkcw  
121 nfcqagkelr aedimekdwn nhkkkgkdcsk lgkkciyqql vrgrkirrse eehlrqtrse  
181 tmrnsvkssf hdpklkgkps reryvthnra hw

2060T0"ST4E400T

FIGURE 2